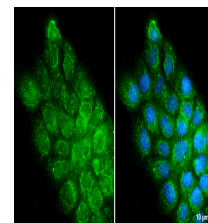


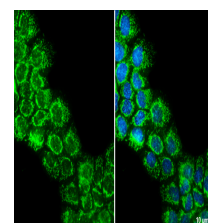
## Product Datasheet

### mAChR M3 antibody GRP130

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>         | The muscarinic cholinergic receptors belong to a larger family of G protein-coupled receptors. The functional diversity of these receptors is defined by the binding of acetylcholine and includes cellular responses such as adenylate cyclase inhibition, phosphoinositide degeneration, and potassium channel mediation. Muscarinic receptors influence many effects of acetylcholine in the central and peripheral nervous system. The muscarinic cholinergic receptor 3 controls smooth muscle contraction and its stimulation causes secretion of glandular tissue. [provided by RefSeq] |
| <b>Species/Host</b>        | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Reactivity</b>          | Human, Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Conjugation</b>         | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Tested Applications</b> | FACS, ICC, IF, IHC-Fr, WB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Immunogen</b>           | Recombinant protein encompassing a sequence within the center region of Human mAChR M3. The exact sequence is proprietary.                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Form/Appearance</b>     | Liquid: 1XPBS, 20% Glycerol (pH7). 0.025% ProClin 300 was added as a preservative.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Concentration</b>       | 0.5 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Storage</b>             | Store as concentrated solution. Centrifuge briefly prior to opening. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Note</b>                | For research use only.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Isotype</b>             | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Clonality</b>           | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Purity</b>              | Purified by antigen-affinity chromatography.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Uniprot ID</b>          | <b>P20309</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Entrez</b>              | <b>1131</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Dilution Range</b>      | WB: 1:500-1:3000, ICC: 1:100-1:1000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |



mAChR M3 antibody detects mAChR M3 protein at mitochondria by immunofluorescent analysis. Sample: A431 cells were fixed in ice-cold MeOH for 5 min. Green: mAChR M3 stained by mAChR M3 antibody (GRP582) diluted at 1:500. Blue: Hoechst 33342 staining. Scale bar



mAChR M3 antibody detects mAChR M3 protein at mitochondria by immunofluorescent analysis. Sample: A431 cells were fixed in ice-cold MeOH for 5 min. Green: mAChR M3 stained by mAChR M3 antibody