

Product Datasheet

E-Cadherin antibody GRP7

Description

This gene is a classical cadherin from the cadherin superfamily. The encoded protein is a calcium dependent cell-cell adhesion glycoprotein comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. Mutations in this gene are correlated with gastric, breast, colorectal, thyroid and ovarian cancer. Loss of function is thought to contribute to progression in cancer by increasing proliferation, invasion, and/or metastasis. The ectodomain of this protein mediates bacterial adhesion to mammalian cells and the cytoplasmic domain is required for internalization. Identified transcript variants arise from mutation at consensus splice sites. [provided by RefSeq]

Species/Host

Rabbit

Reactivity

Human, Mouse, Rat, Zebrafish

Conjugation

Unconjugated

Tested Applications

ICC, IF, IHC-P, IP, WB

Immunogen

Recombinant protein encompassing a sequence within the center region of human E-Cadherin. The exact sequence is proprietary.

Form/Appearance

Liquid: 1XPBS, 1% BSA, 20% Glycerol (pH7). 0.025% ProClin 300 was added as a preservative.

Concentration

0.49 mg/ml

Storage

Store as concentrated solution. Centrifuge briefly prior to opening vial. 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.

Note

For research use only.

Isotype

IgG

Clonality

Polyclonal

Purity

Purified by antigen-affinity chromatography.

Uniprot ID

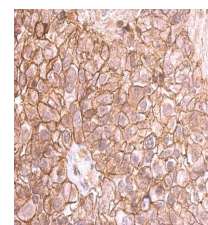
P12830

Entrez

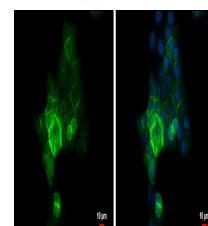
999

Dilution Range

WB: 1:500-1:10000, ICC: 1:100-1:1000, IHC-P: 1:100-1:1000, IP: 1:100-1:500



E-cadherin antibody detects E-cadherin protein at membrane on human breast cancer by immunohistochemical analysis. Sample: Paraffin-embedded breast cancer. E-cadherin antibody (GRP459) dilution: 1:500.



E-Cadherin antibody detects E-Cadherin protein at cell membrane by immunofluorescent analysis. Sample: HCT 116 cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: E-Cadherin protein stained by E-Cadherin