

## Product Datasheet

### STAT3 (Tyr705) Polyclonal Antibody GRP422

<b>Description</b>	Signal transducer and transcription activator that mediates cellular responses to interleukins, KITLG/SCF and other growth factors. May mediate cellular responses to activated FGFR1, FGFR2, FGFR3 and FGFR4. Binds to the interleukin-6 (IL-6)-responsive elements identified in the promoters of various acute-phase protein genes. Activated by IL31 through IL31RA. Cytoplasmic STAT3 represses macroautophagy by inhibiting EIF2AK2/PKR activity. Plays an important role in host defense in methicillin-resistant S.aureus lung infection by regulating the expression of the antimicrobial lectin REG3G (By similarity).
<b>Species/Host</b>	Rabbit
<b>Reactivity</b>	Human, Mouse, Rat, Pig
<b>Conjugation</b>	Unconjugated
<b>Tested Applications</b>	FC, IHC-P, WB
<b>Immunogen</b>	KLH conjugated synthetic phosphopeptide derived from human STAT3 around the phosphorylation site of Tyr705 (public_immunogen_range: 685-725/770)
<b>Form/Appearance</b>	Aqueous buffered solution containing 1% BSA, 50% glycerol and 0.09% sodium azide.
<b>Concentration</b>	1ug/ul
<b>Storage</b>	Store at -20°C for 12 months.
<b>Note</b>	For research use only.
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Purity</b>	Purified by Protein A.
<b>Uniprot ID</b>	<b>P40763</b>
<b>Entrez</b>	<b>6774</b>
<b>Dilution Range</b>	WB: 1:300-1000, FC: 1:20-100, IHC-P: 1:200-400

