

Product Datasheet

STAT3 (Tyr705) Polyclonal Antibody GRP422

Description	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 <i>S.aureus</i> lung infection by regulating the expression of the antimicrobial lectin REG3G (By similarity).
Species/Host	Rabbit
Reactivity	Human, Mouse, Rat, Pig
Conjugation	Unconjugated
Tested Applications	FC, IHC-P, WB
Immunogen	KLH conjugated synthetic phosphopeptide derived from human STAT3 around the phosphorylation site of Tyr705 (public_immunogen_range: 685-725/770)
Form/Appearance	Aqueous buffered solution containing 1% BSA, 50% glycerol and 0.09% sodium azide.
Concentration	1ug/ul
Storage	Store at -20°C for 12 months.
Note	For research use only.
Isotype	IgG
Clonality	Polyclonal
Purity	Purified by Protein A.
Uniprot ID	P40763
Entrez	6774
Dilution Range	WB: 1:300-1000, FC: 1:20-100, IHC-P: 1:200-400

