Anti-Gab 2 antibody

Description	Rabbit polyclonal to Gab 2.

Model	STJ93180
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, IHC, WB
Immunogen	Synthesized peptide derived from human Gab 2 around the non-phosphorylation site of S623.
Immunogen Region	560-640 aa
Gene ID	9846
Gene Symbol	GAB2
Dilution range	WB 1:500-1:2000IHC 1:100-1:300ELISA 1:40000
Specificity	Gab 2 Polyclonal Antibody detects endogenous levels of Gab 2 protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	GRB2-associated-binding protein 2 GRB2-associated binder 2 Growth factor receptor bound protein 2-associated protein 2 pp100
Molecular Weight	74 kDa
Clonality	Polyclonal
Conjugation	Unconjugated

Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:14458OMIM:606203
Alternative Names	GRB2-associated-binding protein 2 GRB2-associated binder 2 Growth factor receptor bound protein 2-associated protein 2 pp100
Function	Adapter protein which acts downstream of several membrane receptors including cytokine, antigen, hormone, cell matrix and growth factor receptors to regulate multiple signaling pathways. Regulates osteoclast differentiation mediating the TNFRSF11A/RANK signaling. In allergic response, it plays a role in mast cells activation and degranulation through PI-3-kinase regulation. Also involved in the regulation of cell proliferation and hematopoiesis.
Sequence and Domain Family	The SH3-binding motifs mediate interaction with SHC1 and GRB2. The PH domain mediates phosphatidylinositol 3,4,5-trisphosphate and phosphatidylinositol 3,4-bisphosphate binding.
Cellular Localization	Cytoplasm Cell membrane
Post-translational Modifications	Phosphorylated on tyrosine residue(s) by the thrombopoietin receptor (TPOR), stem cell factor receptor (SCFR), and T-cell and B-cell antigen receptors, gp130, IL-2R and IL-3R . Phosphorylated upon stimulation of TNFRSF11A/RANK by TNFSF11/RANKL . Phosphorylated upon EGF stimulation. Phosphorylated on tyrosine residues by HCK upon IL6 signaling. Dephosphorylated by PTPN11.