

## Gab 2 (phospho Tyr452) Polyclonal Antibody

<b>Catalog No :</b>	YP0470
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	Gab2
<b>Fields :</b>	>>Ras signaling pathway;>>Sphingolipid signaling pathway;>>Phospholipase D signaling pathway;>>Osteoclast differentiation;>>Fc epsilon RI signaling pathway;>>Fc gamma R-mediated phagocytosis;>>Chronic myeloid leukemia
<b>Gene Name :</b>	GAB2
<b>Protein Name :</b>	GRB2-associated-binding protein 2
<b>Human Gene Id :</b>	9846
<b>Human Swiss Prot No :</b>	Q9UQC2
<b>Mouse Swiss Prot No :</b>	Q9Z1S8
<b>Rat Gene Id :</b>	84477
<b>Rat Swiss Prot No :</b>	Q9EQH1
<b>Immunogen :</b>	Synthesized phospho-peptide around the phosphorylation site of human Gab 2 (phospho Tyr452)
<b>Specificity :</b>	Phospho-Gab 2 (Y452) Polyclonal Antibody detects endogenous levels of Gab 2 protein only when phosphorylated at Y452.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. ELISA: 1:40000. Not yet tested in other applications.

<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	75kD
<b>Cell Pathway :</b>	Fc epsilon RI;Fc gamma R-mediated phagocytosis;Chronic myeloid leukemia;
<b>Background :</b>	GRB2 associated binding protein 2(GAB2) Homo sapiens This gene is a member of the GRB2-associated binding protein (GAB) gene family. These proteins contain pleckstrin homology (PH) domain, and bind SHP2 tyrosine phosphatase and GRB2 adapter protein. They act as adapters for transmitting various signals in response to stimuli through cytokine and growth factor receptors, and T- and B-cell antigen receptors. The protein encoded by this gene is the principal activator of phosphatidylinositol-3 kinase in response to activation of the high affinity IgE receptor. Two alternatively spliced transcripts encoding different isoforms have been described for this gene. [provided by RefSeq, Nov 2009],
<b>Function :</b>	PTM:Dephosphorylated by PTPN11.,PTM: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.,similarity:Belongs to the GAB family.,similarity:Contains 1 PH domain.,subunit:Interacts with GRB2, PI-3 kinase and with other SH2-containing proteins.,
<b>Subcellular Location :</b>	Cytoplasm . Cell membrane .
<b>Expression :</b>	Brain,Clones donated by Kazusa DNA Research Inst.,
<b>Sort :</b>	6353
<b>No2 :</b>	3882T
<b>No4 :</b>	1

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