



Gab 2 (phospho Ser159) Polyclonal Antibody

Catalog No	YP-Ab-03578
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	GAB2
Immunogen	The antiserum was produced against synthesized peptide derived from human GRB2 around the phosphorylation site of Ser159. AA range:125-174
Specificity	Phospho-Gab 2 (S159) Polyclonal Antibody detects endogenous levels of Gab 2 protein only when phosphorylated at S159.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/40000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	GAB 2;Gab2;GAB2_HUMAN;Grb 2 associated binder 2;GRB 2 associated binding protein 2;Grb2 associated binder 2;GRB2 associated binder 2 pp1; GRB2 associated binding protein 2;GRB2-associated binder 2;GRB2-associated-binding protein 2;Growth factor receptor bound protein 2 associated protein 2; Growth factor receptor bound protein 2-associated protein 2;KIAA571;p97;PH domain containing adaptor molecule p97;pp1;KIAA0571;pp100
Observed Band	100kD
Calculated Molecular Weight	100kD
Cell Pathway	Cytoplasm . Cell membrane .
Tissue Specificity	Brain,Clones donated by Kazusa DNA Research Inst.,
Function	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.,



Background

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],

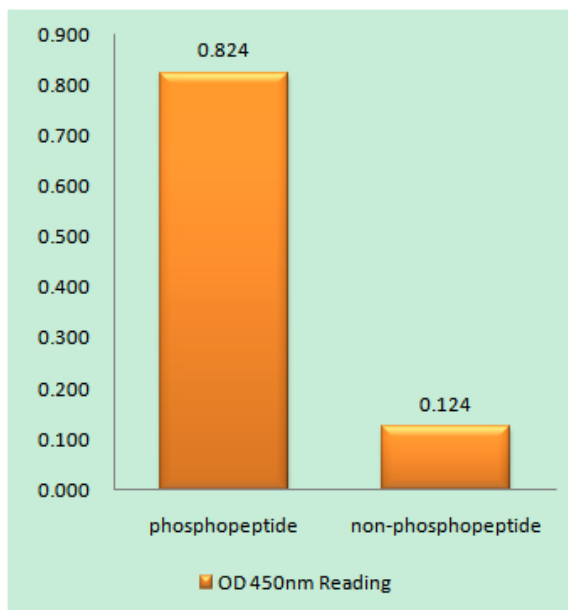
matters needing attention

Avoid repeated freezing and thawing!

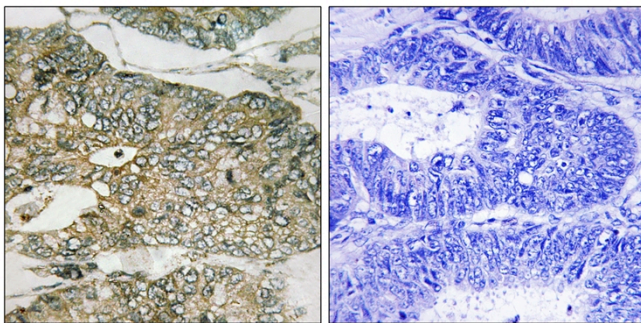
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

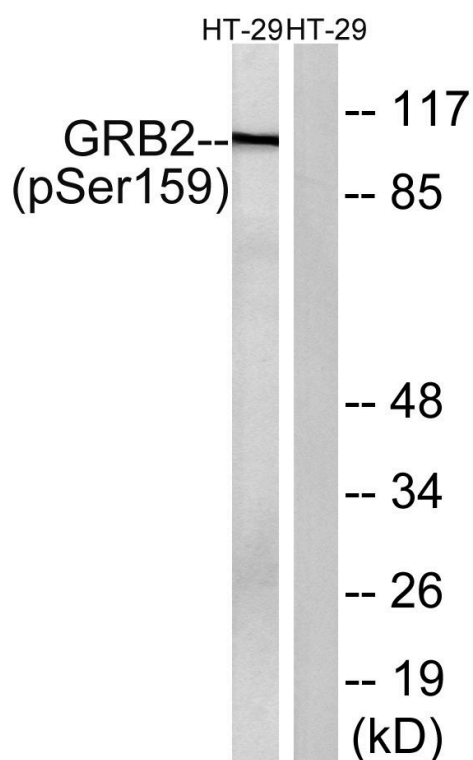
Products Images



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using GRB2 (Phospho-Ser159) Antibody



Immunohistochemistry analysis of paraffin-embedded human colon carcinoma, using GRB2 (Phospho-Ser159) Antibody. The picture on the right is blocked with the phosphopeptide.



Western blot analysis of lysates from HT29 cells treated with serum 20% 15', using GRB2 (Phospho-Ser159) Antibody. The lane on the right is blocked with the phospho peptide.