

**Gab 2 (phospho Ser159) rabbit pAb****Cat#: orb770982 (Manual)**

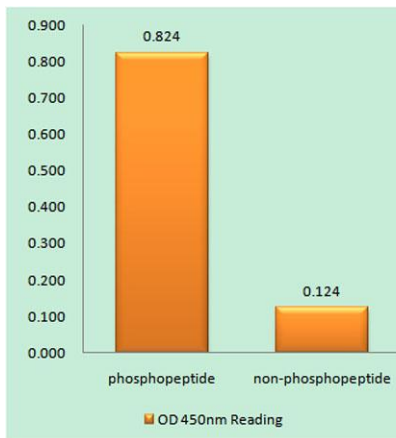
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<b>Product Name</b>	Gab 2 (phospho Ser159) rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human GRB2 around the phosphorylation site of Ser159. AA range:125-174
<b>Specificity</b>	Phospho-Gab 2 (S159) Polyclonal Antibody detects endogenous levels of Gab 2 protein only when phosphorylated at S159.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	GRB2-associated-binding protein 2
<b>Gene Name</b>	GAB2
<b>Cellular localization</b>	Cytoplasm . Cell membrane .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal

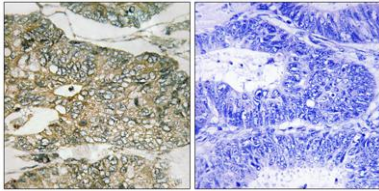
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	100kD
<b>Human Gene ID</b>	9846
<b>Human Swiss-Prot Number</b>	Q9UQC2
<b>Alternative Names</b>	GAB2; KIAA0571; GRB2-associated-binding protein 2; GRB2-associated binder 2; Growth factor receptor bound protein 2-associated protein 2; pp100

### Background

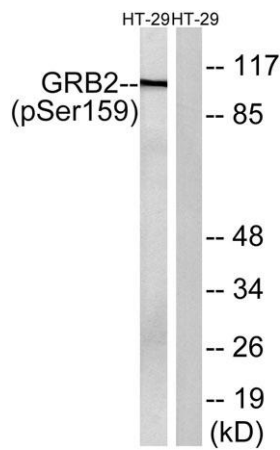
GRB2 associated binding protein 2(GAB2) Homo sapiens This gene is a member of the GRB2-associated binding protein (GAB) gene family. These proteins contain pleckstrin homology (PH) domain, and bind SHP2 tyrosine phosphatase and GRB2 adapter protein. They act as adapters for transmitting various signals 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],



**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 phospho peptide.



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.