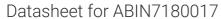
# antibodies -online.com





## anti-GAB2 antibody (Ser159)





Go to Product page

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Overview	
Quantity:	100 μL
Target:	GAB2
Binding Specificity:	Ser159
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GAB2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)
Product Details	
Immunogen:	Synthesized non-phosphopeptide derived from Human GRB2 around the phosphorylation site
	of serine 159 (K-S-S(p)-A-P).
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using
	epitope-specific immunogen.
Target Details	
Target:	GAB2
Alternative Name:	GAB2 (GAB2 Products)

#### Target Details

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Background: 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.

Nishida K., Blood 93:1809-1816(1999).

Nagase T., DNA Res. 5:31-39(1998).

Taylor T.D., Nature 440:497-500(2006).

Aliases: GAB 2 antibody, Gab2 antibody, GAB2\_HUMAN antibody, Grb 2 associated binder 2 antibody, GRB 2 associated binding protein 2 antibody, Grb2 associated binder 2 antibody, GRB2 associated binder 2 pp100 antibody, GRB2 associated binding protein 2 antibody, GRB2-associated binder 2 antibody, GRB2-associated-binding protein 2 antibody, Growth factor receptor bound protein 2 associated protein 2 antibody, Growth factor receptor bound protein 2-associated protein 2 antibody, KIAA0571 antibody, p97 antibody, PH domain containing adaptor molecule p97 antibody, pp100 antibody

UniProt:

Q9UQC2

Pathways:

TCR Signaling, Fc-epsilon Receptor Signaling Pathway, Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process, BCR Signaling, Warburg Effect

### **Application Details**

Application Notes:	WB:1:500-1:3000, IHC:1:50-1:100,
Restrictions:	For Research Use only

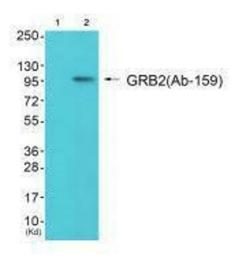
#### Handling

Format:	Liquid
Buffer:	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C

Storage Comment:

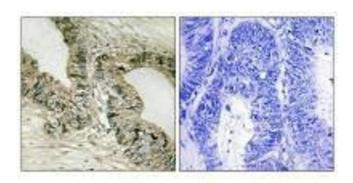
Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

### **Images**



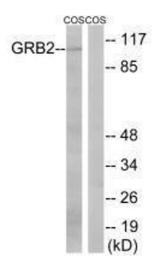
### **Western Blotting**

**Image 1.** Western blot analysis of extracts from 293 cells (Lane 2), using Gab2 (Ab-159) antiobdy. The lane on the left is treated with synthesized peptide.



### **Immunohistochemistry**

**Image 2.** Immunohistochemistry analysis of paraffinembedded human colon carcinoma tissue using GRB2 (Ab-159) antibody.



#### **Western Blotting**

**Image 3.** Western blot analysis of extracts from COS cells, using GRB2 (Ab-159) antibody.