Anti-GAB2 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R014508

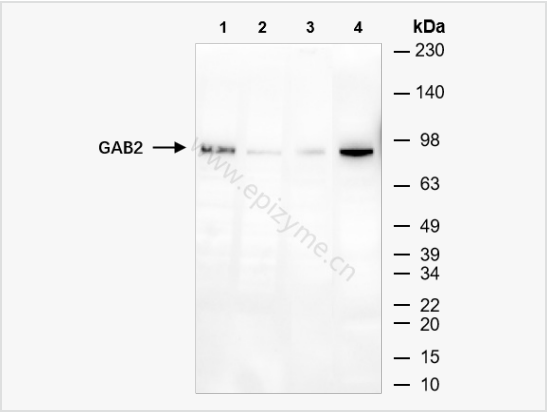
Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Mouse, Rat, Human
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	39F73H98
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic peptide of human GAB2
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-GAB2 Rabbit mAb [39F73H98] is for research use only and not for use in diagnostic or therapeutic procedures.

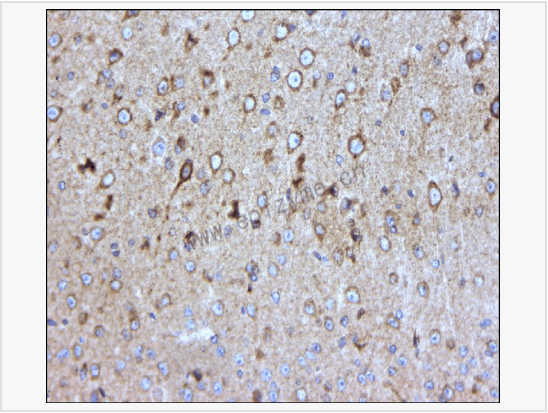
Protein Information

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 pp100, 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, KIAA0571, p97, PH domain containing adaptor molecule p97, pp100.
Calculated MW	Calculated MW: 75 kDa; Observed MW: 90 kDa
Uniprot ID	Q9UQC2
Gene ID	9846
Background	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]
Cellular Location	Cytoplasm. Cell membrane.

Validation Images



Western Blot - Anti-GAB2 Rabbit mAb [39F73H98]
All lanes: R014508 at 1:1,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates
Lane 3: T24 (Human bladder cancer epithelial cell) whole cell lysates
Lane 4: Mouse heart whole tissue lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 75 kDa
Observed band size: 90 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-GAB2 Rabbit mAb [39F73H98]
Sample: Paraformaldehyde-fixed, paraffin embedded mouse brain tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R014508 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.