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Anti-GAB2 Antibody

Catalog # AP51222

Product Information

Application	WB, IF/IC
Primary Accession	Q9UQC2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	74458

Additional Information

Gene ID	9846
Other Names	KIAA0571; GRB2-associated-binding protein 2; GRB2-associated binder 2; Growth factor receptor bound protein 2-associated protein 2; pp100
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human GAB2. The exact sequence is proprietary.
Dilution	WB~~ 1:1000 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

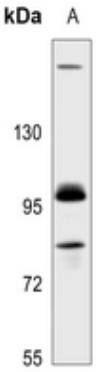
Protein Information

Name	GAB2
Synonyms	KIAA0571
Function	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.
Cellular Location	Cytoplasm. Cell membrane. Membrane raft {ECO:0000250|UniProtKB:Q9Z1S8}

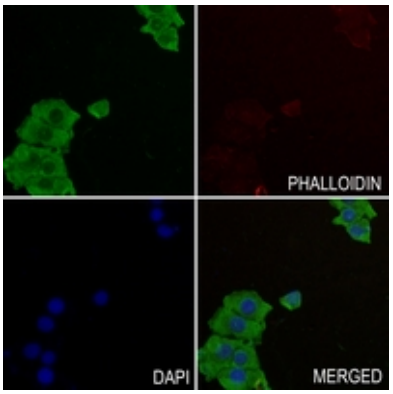
References

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Nagase T.,et al.DNA Res. 5:31-39(1998).
Nagase T.,et al.Submitted (JAN-2004) to the EMBL/GenBank/DDBJ databases.
Taylor T.D.,et al.Nature 440:497-500(2006).
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Images



Western blot analysis of GAB2 expression in MCF7 (A) whole cell lysates. (Predicted band size: 74 kD; Observed band size: 98 kD)



Immunofluorescent analysis of GAB2 staining in Hela cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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