

FAM59B Antibody

Catalog # ASC11014

Product Information

Application	WB, IF, E, IHC-P
Primary Accession	Q75VX8
Other Accession	Q75VX8 , 190359325
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	92882
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	FAM59B antibody can be used for detection of FAM59B by Western blot at 1 μ g/mL. Antibody can also be used for immunohistochemistry starting at 5 μ g/mL. For immunofluorescence start at 20 μ g/mL.

Additional Information

Gene ID	150946
Other Names	GRB2-associated and regulator of MAPK protein-like, GRB2-associated and regulator of MAPK1-like, GAREML, FAM59B, KIAA2038
Target/Specificity	FAM59B;
Reconstitution & Storage	FAM59B antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Precautions	FAM59B Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	GAREM2
Synonyms	FAM59B, GAREML, KIAA2038
Function	Probable adapter protein that may provide a link between cell surface epidermal growth factor receptor and the MAPK/ERK signaling pathway.

Background

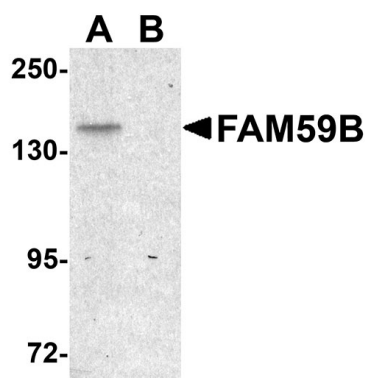
FAM59B Antibody: FAM59B is related to the FAM59A protein (also known as GAREM). While little is known of the role of the FAM59B protein, FAM59A is a downstream molecule in the EGF signaling pathway and binds Grb2, an adaptor protein crucial to the transduction of growth signals from the plasma membrane to the nucleus. Like FAM59A, FAM59B may play a role in ligand-mediated signaling pathway of the EGF receptor and the tumorigenesis of cells.

References

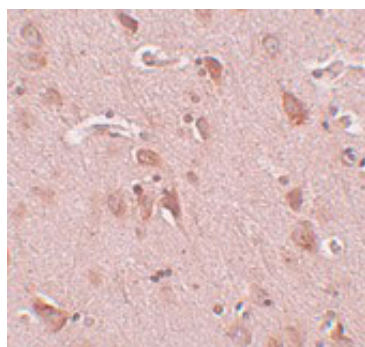
Blagoev B, Ong SE, Kratchmarova I, et al. Temporal analysis of phosphotyrosine-dependent signaling networks by quantitative proteomics. *Nat. Biotechnol.*2004; 22:1139-45.

Tashiro K, Tsunematsu T, Okubo H, et al. GAREM, a novel adaptor protein for growth factor receptor-bound protein 2, contributes to cellular transformation through activation of extracellular signal-regulated kinase signaling. *J. Biol. Chem.*2009; 284:20206-14.

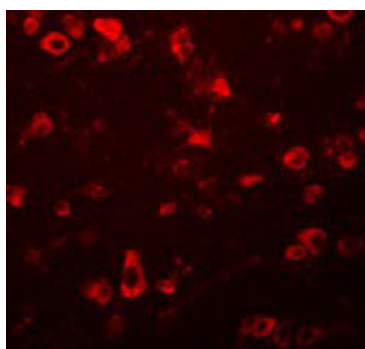
Images



Western blot analysis of FAM59B in SK-N-SH cell lysate with FAM59B antibody at 1 $\mu\text{g/mL}$ in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry of FAM59B in human brain tissue with FAM59B antibody at 5 $\mu\text{g/mL}$.



Immunofluorescence of FAM59B in Human Brain cells with FAM59B antibody at 20 $\mu\text{g/mL}$.