

FAM59A Antibody

Catalog No: #25001

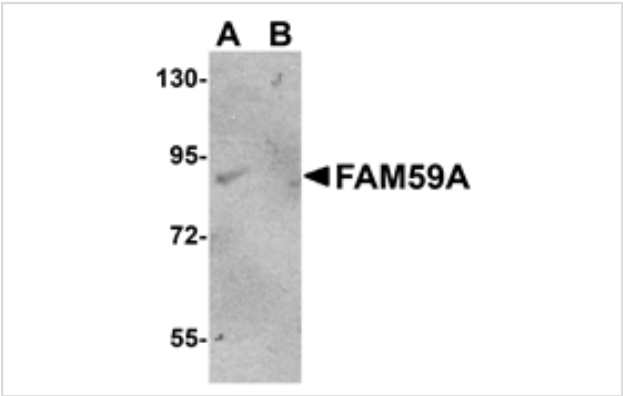


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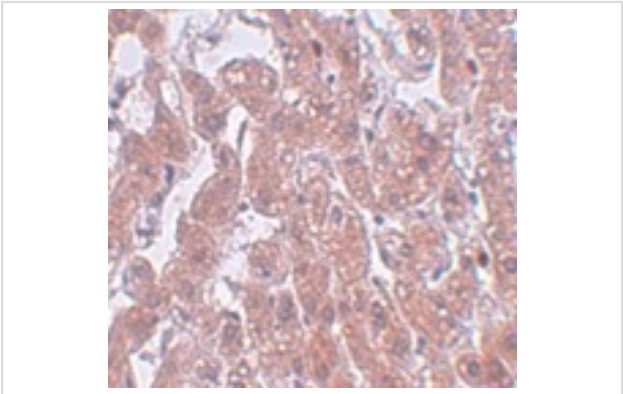
Description

Product Name	FAM59A Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	Raised against a 19 amino acid peptide from near the carboxy terminus of human FAM59A.
Target Name	FAM59A
Other Names	GAREM, Grb2-associated and regulator of ERK, MAPK, Gm944, C18orf11
Accession No.	Q9H706
Uniprot	Q9H706
GeneID	64762;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for 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.

Images



Western blot analysis of FAM59A in rat liver tissue lysate with FAM59A antibody at (A) 1 and (B) 2 ug/mL.



Immunohistochemistry of PLEKHM3 in human brain tissue with PLEKHM3 antibody at 5 ug/mL.

Background

FAM59A, also known as GAREM, was initially identified through a mass spectroscopic method that measures different phosphotyrosine states of proteins in response to different cell stimuli. FAM59A is a downstream molecule in the EGF signaling pathway that is tyrosine-phosphorylated, and this phosphorylation is needed for the binding of Grb2, an adaptor protein crucial to the transduction of growth signals from the plasma membrane to the nucleus. ERK activation in response to EGF stimulation is regulated by FAM59A in COS-7 and HeLa cells, and the overexpression of FAM59A stimulated cell proliferation and colony formation in soft agar, suggesting that FAM59A might be a critical protein with roles in ligand-mediated signaling pathway of the EGF receptor and the tumorigenesis of cells.

Note: This product is for in vitro research use only