

## Anti-FAM59A GAREM1 Antibody

Catalog Number: A12630

### About FAM59A

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.

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## Overview

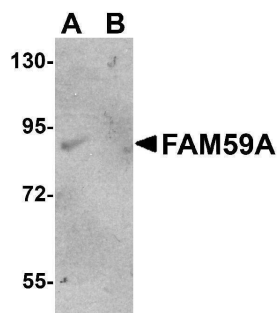
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|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name         | Anti-FAM59A GAREM1 Antibody                                                                                                                                          |
| Reactive Species     | Human, Mouse, Rat                                                                                                                                                    |
| Description          | Boster Bio Anti-FAM59A GAREM1 Antibody (Catalog # A12630). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.                 |
| Application          | ELISA, IF, IHC-P, WB                                                                                                                                                 |
| Clonality            | Polyclonal                                                                                                                                                           |
| Formulation          | FAM59A Antibody is supplied in PBS containing $\leq 0.09\%$ sodium azide.                                                                                            |
| Storage Instructions | FAM59A antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures. |
| Host                 | Rabbit                                                                                                                                                               |
| Uniprot ID           | Q9H706                                                                                                                                                               |

## Technical Details

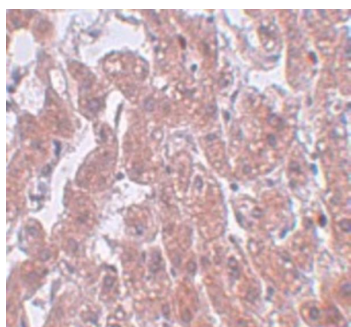
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|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen                  | FAM59A antibody was raised against a 19 amino acid synthetic peptide from near the carboxy terminus of human FAM59A. The immunogen is located within amino acids 630 - 680 of FAM59A. |
| Predicted Reactive Species | Bovine, Chicken                                                                                                                                                                       |

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Isotype             | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Form                | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Concentration       | 1 mg/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Purification        | FAM59A Antibody is affinity chromatography purified via peptide column.                                                                                                                                                                                                                                                                                                                                                                                                               |
| Suggested Dilutions | <p>FAM59A antibody can be used for detection of FAM59A by Western blot at 1 - 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 5 ug/mL. For immunofluorescence start at 20 ug/mL.</p> <p>Antibody validated: Western Blot in rat samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.</p> |

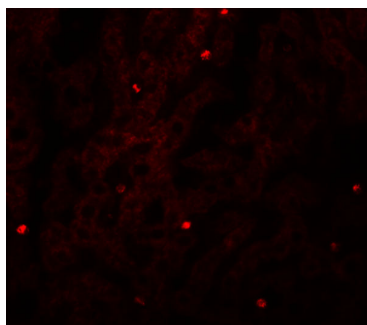
## Anti-FAM59A GAREM1 Antibody (A12630) Images



Western blot analysis of FAM59A in rat liver tissue lysate with FAM59A antibody at 1 ug/mL in (A) the absence and (B) the presence of blocking peptide.



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



Immunofluorescence of FAM59A in Human Liver cells with FAM59A antibody at 20 ug/mL.

### Anti-FAM59A GAREM1 Antibody

For Research Use Only. Not for use in diagnostic procedures.