

## Protein FAM38A Antibody

Catalog No: #48073

Package Size: #48073-1 50ul #48073-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

## Description

Product Name	Protein FAM38A Antibody
Host Species	Mouse
Clone No.	210
Purification	ProA affinity purified
Applications	WB, IHC, ICC
Species Reactivity	Hu, Ms
Immunogen Description	Recombinant protein.
Other Names	DHS Fam38a Family with sequence similarity 38 member A KIAA0233 Membrane protein induced by beta-amyloid treatment Mib PIEZ1_HUMAN Piezo-type mechanosensitive ion channel component 1 PIEZO1 Protein FAM38A Protein FAM38B Protein PIEZO1
Accession No.	Swiss-Prot#:Q92508
Uniprot	Q92508
GeneID	9780;
Calculated MW	287 kDa
Concentration	2 mg/mL
Formulation	1*PBS (pH7.4), 0.2% BSA, 50% Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

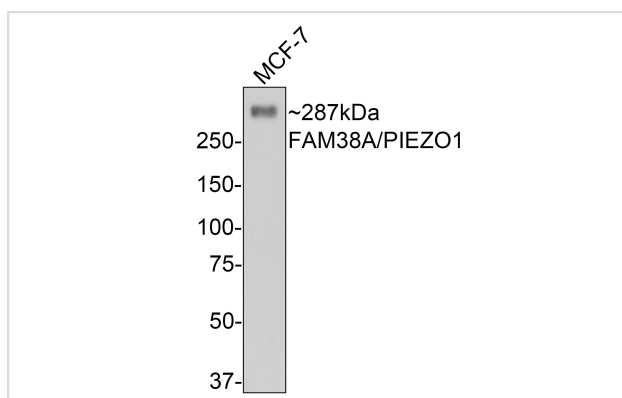
## Application Details

WB 1:500-1:2000oO

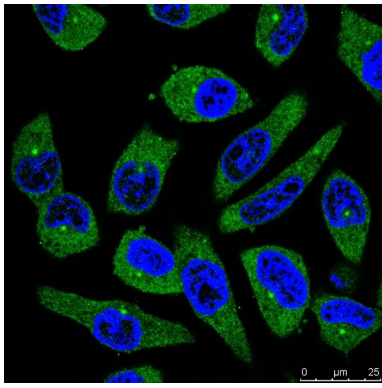
IHC 1:200-1:600oO

ICC 1:100oO

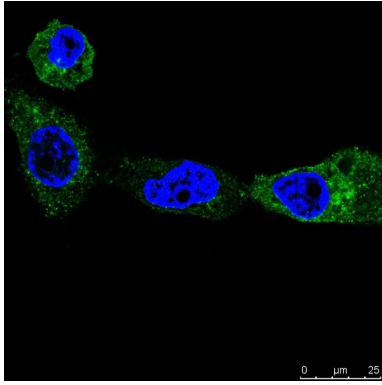
## Images



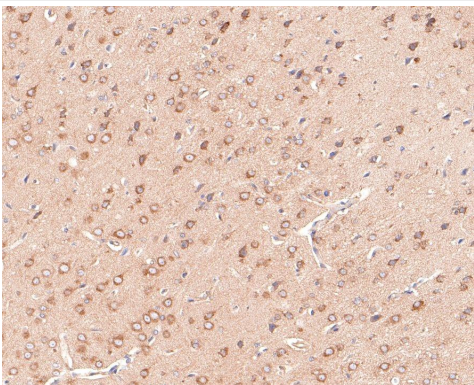
Western blot analysis of FAM38A on MCF-7 cell lysates with Mouse anti-FAM38A antibody at 1/500 dilution.



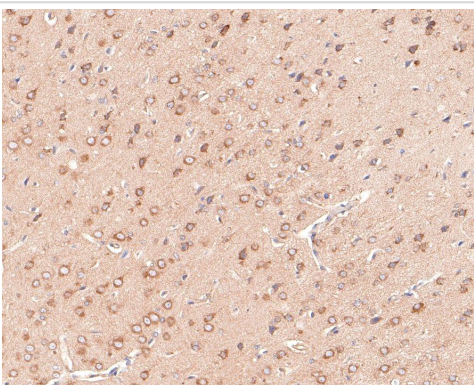
Immunocytochemistry analysis of HeLa cells with FAM38A at 1/100 dilution.



Immunocytochemistry analysis of A431 cells with FAM38A at 1/100 dilution.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue with FAM38A at 1/200 dilution.



Immunohistochemical analysis of paraffin-embedded rat brain tissue with FAM38A at 1/600 dilution.

## Background

Pore-forming subunit of a mechanosensitive non-specific cation channel. Generates currents characterized by a linear current-voltage relationship that are sensitive to ruthenium red and gadolinium. Plays a key role in epithelial cell adhesion by maintaining integrin activation through R-Ras recruitment to the ER, most probably in its activated state, and subsequent stimulation of calpain signaling. In the kidney, may contribute to the detection of intraluminal pressure changes and to urine flow sensing. Acts as shear-stress sensor that promotes endothelial cell organization and alignment in the direction of blood flow through calpain activation. Plays a key role in blood vessel formation and vascular structure in both development and adult physiology.

---

Note: This product is for in vitro research use only