

Protein FAM38A Antibody

Catalog No: #48073



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

Orders: order@signalwayantibody.comSupport: 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*TBS (pH7.4), 0.5%BSA, 50%Glycerol. Preservative: 0.05% Sodium Azide. |
| Storage | Store at -20°C |

Application Details

WB: 1:500-1:2,000

IHC: 1:50-1:200

ICC: 1:50-1:200

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