SunLong Biotech Co.,LTD
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[Marker Primary Antibody]

Rabbit Anti-FAM38A/Biotin Conjugated antibody

Catalog Number: SL14991R-Bio

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-FAM38A/Biotin
Immunogen:	KLH conjugated synthetic peptide derived from human FAM38A
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 ICC/IF=1:100 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Mouse(predicted:Rat,Dog,Cow,Sheep)
Background:	background: Piezos are large transmembrane proteins conserved among various species, all having between 24 and 36 predicted transmembrane domains. 'Piezo' comes from the Greek 'piesi,' meaning 'pressure.' The FAM38A gene encodes PIEZO1, a protein that induces mechanically activated (MA) currents in various cell types (Coste et al., 2010 [PubMed 20813920]).[supplied by OMIM, Nov 2010] **Function:** Component of mechanosensitive channel required for the mechanosensitive currents. 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. **Subcellular Location:** Endoplasmic reticulum membrane. Endoplasmic reticulum-Golgi intermediate compartment membrane. Cell membrane.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Tissue Specificity: Expressed in numerous tissues. In normal brain, expressed exclusively in neurons, not in astrocytes. In Alzheimer disease brains, expressed in about half of the activated astrocytes located around classical senile plaques. In Parkinson disease substantia nigra, not detected in melanin-containing neurons nor in activated astrocytes. **Similarity:** Belongs to the PIEZO family. **Database links:** **Entrez Gene:** 9780 Human **Entrez Gene:** 234839 Mouse **Entrez Gene:** 361430 Rat Omim: 611184 Human **SwissProt:** Q92508 Human **SwissProt:** E2JF22 Mouse **SwissProt:** Q0KL00 Rat **Unigene:** 377001 Human **Unigene:** 592074 Human **Unigene:** 37324 Mouse **Unigene:** 20892 Rat Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.