

Rabbit anti-Human PIEZO1 Polyclonal Antibody | anti-PIEZO1 antibody

PIEZO1 Antibody

CATALOG # AAA231323	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
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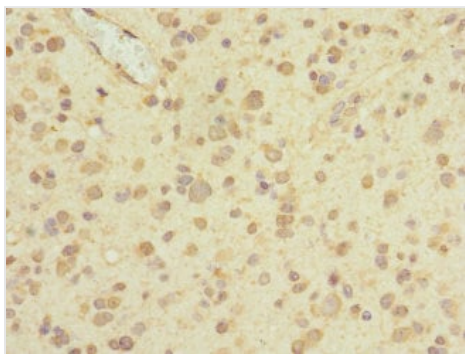
PRODUCT SYNONYMS

PIEZO1; Polyclonal Antibody; PIEZO1 Antibody; Piezo-type mechanosensitive ion channel component 1 (Membrane protein induced by beta-amyloid treatment) (Mib) (Protein FAM38A); FAM38A KIAA0233; anti-PIEZO1 antibody

PRODUCT SPECIFICATIONS

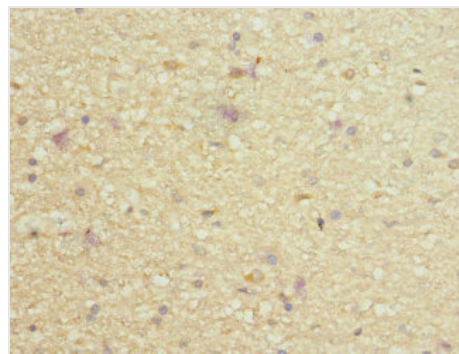
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid; PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Applicable Applications for anti-PIEZO1 antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human Piezo-type mechanosensitive ion channel component 1 protein (2230-2420AA)
Conjugate	Non-conjugated
Species	Homo sapiens (Human)
Research Area	Tags & Cell Markers
Target Names	PIEZO1
Preparation and Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human glioma AAA231323 at dilution 1:100



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human brain tissue AAA231323 at dilution 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-PIEZO1 antibody	Pore-forming subunit of a mechanosensitive non-specific cation channel (PubMed:23479567, PubMed:23695678). 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 (PubMed:20016066). 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 (PubMed:25119035). Plays a key role in blood vessel formation and vascular structure in both development and adult physiology (By similarity).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	257196142
NCBI GeneID	9780
NCBI Accession #	NP_001136336.2
NCBI GenBank Nucleotide #	NM_001142864.3
UniProt Accession #	Q92508; Q0KKZ9; A6NHT9; A7E2B7
NCBI Official Full Name	piezo-type mechanosensitive ion channel component 1
NCBI Official Synonym Full Names	piezo type mechanosensitive ion channel component 1
NCBI Official Symbol	PIEZO1
NCBI Official Synonym Symbols	DHS; Mib; LMPH3; FAM38A
NCBI Protein Information	piezo-type mechanosensitive ion channel component 1
UniProt Protein Name	Piezo-type mechanosensitive ion channel component 1
UniProt Gene Name	PIEZO1
UniProt Synonym Gene Names	FAM38A; KIAA0233; Mib
UniProt Entry Name	PIEZ1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.