ARG46376
anti-PIEZO2 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PIEZO2
Tested Reactivity	Hu, Ms
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PIEZO2
Species	Human
Immunogen	A 19 amino acid synthetic peptide within the last 50 amino acids of human PIEZO2.
Conjugation	Un-conjugated
Alternate Names	PIEZO2; piezo-type mechanosensitive ion channel component 2; C18orf30; C18orf58; DA3; DA5; DAIPT; FAM38B; FAM38B2; HsT748; HsT771; MWKS

Application Instructions

Application table

Application	Dilution
WB	Assay-dependent

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Observed Size: 235 kDa

Properties

Purification	Affinity chromatography purified
Buffer	PBS and 0.02% Sodium azide.
Preservative	0.02% Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

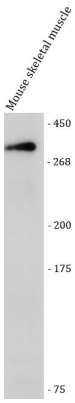
Gene Symbol	PIEZO2

Gene Full Name	piezo-type mechanosensitive ion channel component 2
Background	e protein encoded by this gene contains more than thirty transmembrane domains and likely functions as part of mechanically-activated (MA) cation channels. These channels serve to connect mechanical forces to biological signals. The encoded protein quickly adapts MA currents in somatosensory neurons. Defects in this gene are a cause of type 5 distal arthrogryposis. Several alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known. [provided by RefSeq, Feb 2014]
Function	Pore-forming subunit of the mechanosensitive non-specific cation Piezo channel required for rapidly adapting mechanically activated (MA) currents and has a key role in sensing touch and tactile pain
Calculated Mw	233,305 kDa
Cellular Localization	Cell membrane. [UniProt]

Images

ARG46376 anti-PIEZO2 antibody WB image

Western blot: SK-N-SH stained with ARG46376 anti-PIEZO2 antibody.



ARG46376 anti-PIEZO2 antibody WB image

Western blot: Mouse skeletal muscle stained with ARG46376 anti-PIEZO2 antibody.