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Datasheet for ABIN7117527 anti-PIEZO1 antibody



Overview

0.0.000	
Quantity:	100 µg
Target:	PIEZ01
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PIEZ01 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA
Product Details	
Immunogen:	family with sequence similarity 38, member A
Isotype:	lgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE
Target Details	
Target:	PIEZ01
Alternative Name:	Piezo1 (PIEZO1 Products)

Background:	Synonyms:FAM38A, KIAA0233 Background: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

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Target Details

	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).
Molecular Weight:	250kd

Gene ID:	9780
UniProt:	Q92508

Application Details

Application Notes:	WB: 1:200-1:1000, IHC: 1:50-1:500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	-20°C for 12 months (Avoid repeated freeze / thaw cycles.)
Expiry Date:	12 months