

DESCRIPTION

Species Reactivity	Human
Specificity	Detects a synthetic peptide around aa 150 in Direct ELISA
Source	Monoclonal Mouse IgG _{2B} Clone # 1081418
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	PIEZO1 containing synthetic peptide Accession # Q92508
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.	

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Immunohistochemistry Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Piezo1 is an 287kDa mechanosensitive nonselective cation channel, extensively distributed in multiple tissues and cell types. Piezo1 plays an important role in numerous physiological processes, such as determining vascular structure, urine osmoregulation, and blood pressure homeostasis. In the kidney, Piezo1 expression is found in the renal corpuscle, convoluted tubules, and collecting ducts.

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