

Datasheet for ABIN7043434  
**anti-PIEZO1 antibody (AA 1863-1876)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	25 µL
Target:	PIEZO1
Binding Specificity:	AA 1863-1876
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PIEZO1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

## Product Details

Immunogen:	Immunogen: Synthetic peptide
	Immunogen Sequence: (C)EDLK PQHRRHISIR, corresponding to amino acid residues 1863-1876 of rat Piezo1
Isotype:	IgG
Cross-Reactivity (Details):	Not recommended for use with human samples.
Characteristics:	Anti-Piezo1 Antibody (ABIN7043434, ABIN7044988 and ABIN7044989) is a highly specific antibody directed against an epitope of the rat protein. The antibody can be used in western blot and immunohistochemistry applications. It has been designed to recognize Piezo1 from rat and mouse samples. The antibody is unlikely to recognize the protein from human samples.
Purification:	Affinity purified on immobilized antigen.

## Target Details

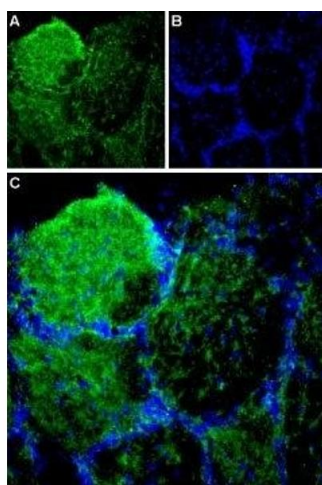
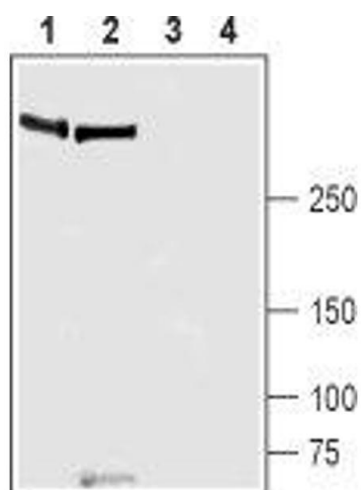
Target:	PIEZ01
Alternative Name:	Piezo1 ( <a href="#">PIEZ01 Products</a> )
Background:	Alternative names: Piezo1, Piezo-type mechanosensitive ion channel component 1, Protein FAM38A, Mib, Membrane protein induced by beta-amyloid treatment
Gene ID:	361430
NCBI Accession:	<a href="#">NM_014745</a>
UniProt:	<a href="#">Q0KL00</a>

## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.85 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
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:	RT, 4 °C, -20 °C
Storage Comment:	<p>Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.</p> <p>Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).</p>



### Western Blotting

**Image 1.** Western blot analysis of rat lung (lanes 1 and 3) and mouse lung (lanes 2 and 4) lysates: - 1,2. Anti-Piezo1 Antibody (ABIN7043434, ABIN7044988 and ABIN7044989), (1:600).3,4. Anti-Piezo1 Antibody, preincubated with Piezo1 Blocking Peptide (#BLP-PC087).

### Immunohistochemistry

**Image 2.** Expression of Piezo1 in rat olfactory bulb - Immunohistochemical staining of rat olfactory bulb sections using Anti-Piezo1 Antibody (ABIN7043434, ABIN7044988 and ABIN7044989). A. Piezo1 staining (green) appears in the neuropil with varying intensity within and between glomeruli. B. Nuclear staining (blue) using DAPI as the counterstain. C. Merged image of panels A and B.