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anti-Anoctamin 2 antibody (N-Term)



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Overview		
Quantity:	0.1 mg	
Target:	Anoctamin 2 (ANO2)	
Binding Specificity:	N-Term	
Reactivity:	Human, Mouse, Rat	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This Anoctamin 2 antibody is un-conjugated	
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffinembedded Sections) (IHC (p))	
Product Details		
Immunogen:	TMEM16B antibody was raised against a 19 amino acid synthetic peptide from near the amino terminus of human TMEM16B. The immunogen is located within the first 50 amino acids of TMEM16B.	
Isotype:	IgG	
Purification:	TMEM16B Antibody is affinity chromatography purified via peptide column.	
Target Details		
Target:	Anoctamin 2 (ANO2)	
Alternative Name:	TMEM16B (ANO2 Products)	
Background:	TMEM16B Antibody: Calcium-activated chloride channels (CaCC) are present in many cell types	

and mediate physiological functions such as epithelial secretion, sensory signal transduction,			
and smooth muscle contraction. Subunits of these CaCC's include the transmembrane proteins			
TMEM16A and TMEM16B. TMEM16B is predicted to have eight transmembrane domains with			
both the amino and carboxy termini in the cytoplasm and is expressed in several tissues			
including olfactory sensory neurons as well as photoreceptors in mammalian retina. Like			
TMEM16A, TMEM16B is thought to form at least part of CaCC's but has different biophysical			
characteristics such as voltage dependence and unitary conductance.			

Molecular Weight:

Predicted: 110 kDa

Observed: 107 kDa

Gene ID:

57101

NCBI Accession:

NP_001265525

UniProt:

Q9NQ90

Application Details

Application Notes:

TMEM16B antibody can be used for detection of TMEM16B by Western blot at 1 - 2 μ ,g/mL. Antibody can also be used for immunohistochemistry starting at 5 μ ,g/mL. For immunofluorescence start at 20 μ ,g/mL.

Antibody validated: Western Blot in human samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.

Restrictions:

For Research Use only

Handling

Format:	Liquid	
Concentration:	1 mg/mL	
Buffer:	TMEM16B Antibody is supplied in PBS containing 0.02 % 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:	-20 °C,4 °C	

Handling

Storage Comment:

TMEM16B antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.