

Rabbit ANO1 Polyclonal Antibody | anti-ANO1 antibody

ANO1 Antibody

CATALOG # AAA327322	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Western Blot
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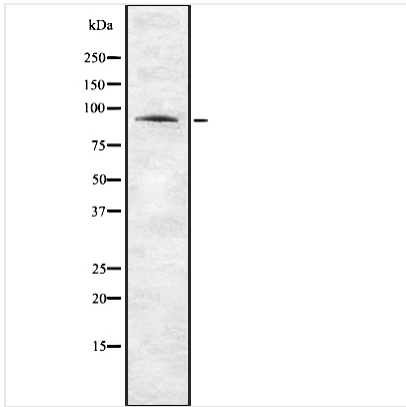
PRODUCT SYNONYMS

ANO1; Polyclonal Antibody; ANO1 Antibody; ANO 1; ANO1_HUMAN; Anoctamin 1; Anoctamin 1 calcium activated chloride channel; Anoctamin-1; Anoctamin1; Ca2+ activated Cl-channel; Calcium Activated Chloride Channel; Discovered on gastrointestinal stromal tumors protein 1; DOG 1; DOG1; FLJ10261; Membrane protein; Oral cancer overexpressed 2; Oral cancer overexpressed protein 2; ORAOV 2; ORAOV2; TAOS 2; TAOS2; TMEM 16A; TMEM16A; Transmembrane protein 16A (eight membrane spanning domains); Transmembrane protein 16A; Tumor amplified and overexpressed sequence 2; Tumor-amplified and overexpressed sequence 2; anti-ANO1 antibody

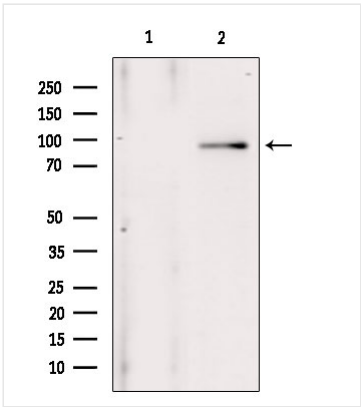
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ANO1 antibody detects endogenous levels of total ANO1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	986
Applicable Applications for anti-ANO1 antibody	ELISA, WB (Western Blot)
Immunogen	A synthesized peptide derived from human ANO1
Subcellular Location	Cell Membrane. Cytoplasm.
Tissue Specificity	Broadly expressed with higher levels in liver, skeletal muscle and gastrointestinal muscles.
Predicted Cross Reactivity	Horse, Dog
Similarity	Horse (85%), Dog (85%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of ANO1 using Jurkat whole lysates.



WB (Western Blot)
Western blot analysis of extracts from 293, using ANO1 Antibody. Lane 1 was treated with the blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-ANO1 antibody	Function: Calcium-activated chloride channel (CaCC) which plays a role in transepithelial anion transport and smooth muscle contraction. Required for the normal functioning of the interstitial cells of Cajal (ICCs) which generate electrical pacemaker activity in gastrointestinal smooth muscles. Acts as a major contributor to basal and stimulated chloride conductance in airway epithelial cells and plays an important role in tracheal cartilage development. Subunit Structure: Homodimer (PubMed:21056985). Interacts with CFTR (PubMed:22178883). Interacts with TRPV4 (By similarity). Similarity: The region spanning the fifth and sixth transmembrane domains probably forms the pore-forming region. Belongs to the anoctamin family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	194306539
NCBI GeneID	55107
NCBI Accession #	NP_060513.5
NCBI GenBank Nucleotide #	NM_018043.5
UniProt Accession #	Q5XXA6; Q8IYY8; Q8N7V3; A8KAM3
Molecular Weight	Observed: 90 kDa Predicted: 115 kDa
NCBI Official Full Name	anoctamin-1
NCBI Official Synonym Full Names	anoctamin 1
NCBI Official Symbol	ANO1
NCBI Official Synonym Symbols	DOG1; TAOS2; ORAOV2; TMEM16A
NCBI Protein Information	anoctamin-1
UniProt Protein Name	Anoctamin-1
UniProt Gene Name	ANO1
UniProt Synonym Gene Names	DOG1; ORAOV2; TAOS2; TMEM16A

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

