

Rabbit anti-Human, Mouse ANO1 Polyclonal Antibody | anti-ANO1 antibody

ANO1 Antibody

CATALOG # AAA304254	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

ANO1; Polyclonal Antibody; ANO1 Antibody; DOG1; TAOS2; ORAOV2; TMEM16A; anti-ANO1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total ANO1 protein.
Purity/Purification	Antigen affinity purification.
Form/Format	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Concentration	2 mg/ml (varies by lot)
Sequence Length	986
Applicable Applications for anti-ANO1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to a region derived from internal residues of human anoctamin 1, calcium activated chloride channel
Target Name	ANO1
Preparation and Storage	Store at -20°C

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Human thyroid cancer tissue using AAA304254 at dilution 1/40.



Application Data

Gel: 6%SDS-PAGE Lysates (from left to right): Human fetal brain tissue
Amount of lysate: 40ug per lane
Primary antibody: 1/250 dilution
Secondary antibody dilution: 1/8000
Exposure time: 3 minutes

ADDITIONAL INFORMATION

Related Product Information for anti-ANO1 antibody	TMEM16A, also known as DOG1, ORAOV2, TAOS2 or ANO1 (anoctamin 1), is a 986 amino acid multi-pass membrane protein that localizes to both the cell membrane and the cytoplasm and belongs to the anoctamin family. Expressed in a variety of tissues with highest expression in skeletal muscle and liver, TMEM16A functions as a calcium-activated chloride channel that is required for normal tracheal development. Human TMEM16A shares 90% sequence identity with its mouse counterpart, suggesting a conserved role between species. TMEM16A is present in breast, pancreatic, gastric, and uterine cancers, as well as in neck, ovarian and parathyroid tumors, suggesting a role for TMEM16A in carcinogenesis. Three isoforms of TMEM16A exist due to alternative splicing events.
Product Categories/Family for anti-ANO1 antibody	Total protein Ab

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	SDS-PAGE MW: 114kd
NCBI Official Full Name	anoctamin-1
NCBI Official Synonym Full Names	anoctamin 1, calcium activated chloride channel
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
UniProt Entry Name	ANO1_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ano1-antibody-immunohistochemistry-western-blot-elisa/304254>