

## ANO1 Antibody

Catalog No: #37167

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## Description

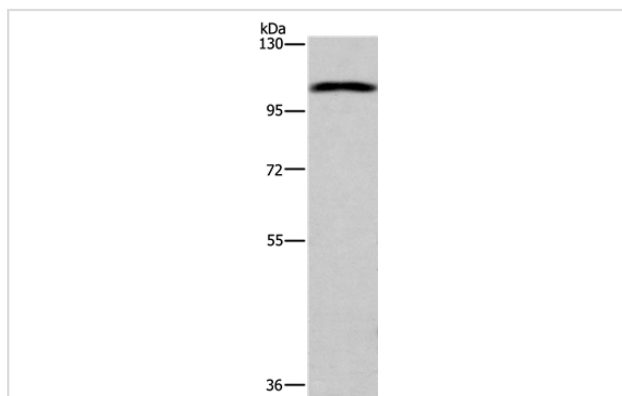
Product Name	ANO1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	WB IHC
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total ANO1 protein.
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to a region derived from internal residues of human anoctamin 1, calcium activated chloride channel
Target Name	ANO1
Other Names	DOG1; TAOS2; ORAOV2; TMEM16A
Accession No.	Swiss-Prot#: Q5XXA6NCBI Gene ID: 55107Gene Accssion: NP_060513
Uniprot	Q5XXA6
GeneID	55107;
SDS-PAGE MW	114kd
Concentration	2mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol.
Storage	Store at -20°C

## Application Details

Western blotting: 1:200-1:1000

Immunohistochemistry: 1:25-1:100

## Images



Gel: 6%SDS-PAGE

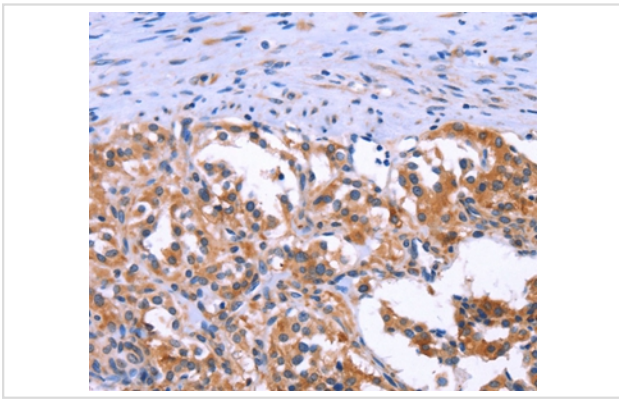
Lysates (from left to right): Human fetal brain tissue

Amount of lysate: 40ug per lane

Primary antibody: 1/250 dilution

Secondary antibody dilution: 1/8000

Exposure time: 3 minutes



Immunohistochemical analysis of paraffin-embedded Human thyroid cancer tissue using #37167 at dilution 1/40.

## Background

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.

Note: This product is for in vitro research use only