

For Research Use Only

# ANO2 Monoclonal antibody

Catalog Number: 67638-1-Ig



## Basic Information

Catalog Number:

67638-1-Ig

Size:

2000 µg/ml

Source:

Mouse

Isotype:

IgG2a

GenBank Accession Number:

NM\_020373

GeneID (NCBI):

57101

UNIPROT ID:

Q9NQ90

Full Name:

anoctamin 2

Calculated MW:

114 kDa

Observed MW:

114 kDa

Purification Method:

Protein A purification

CloneNo.:

2F12G1

Recommended Dilutions:

WB 1:1000-1:6000

IHC 1:50-1:500

IF 1:200-1:800

## Applications

Tested Applications:

IF-P, IHC, WB, ELISA

Species Specificity:

Human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

Positive Controls:

WB : Y79 cells, NCCIT cells, U2OS cells, MDA-MB-231 cells, T-47D cells, HeLa cells

IHC : mouse eye tissue,

IF : mouse eye tissue,

## Background Information

ANO2, also named as C12orf3 and TMEM16B, belongs to the anoctamin family. It acts as a calcium-activated chloride channel (CaCC), mostly in photoreceptors. It may mediate olfactory amplification in olfactory sensory neurons (OSNs) and light perception amplification in retina.

## Storage

Storage:

Store at -20°C.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

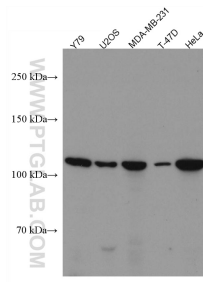
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

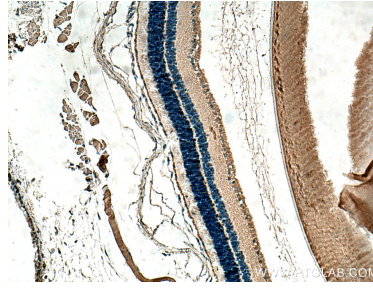
W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

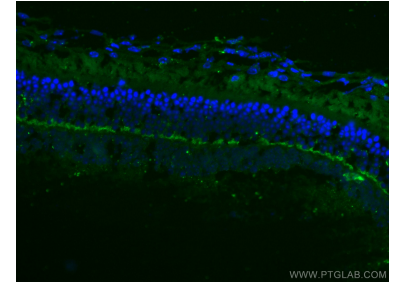
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67638-1-Ig (ANO2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse eye tissue slide using 67638-1-Ig (ANO2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse eye tissue using ANO2 antibody (67638-1-Ig, Clone: 2F12G1) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).