

For Research Use Only

ANO2 Monoclonal antibody

Catalog Number: 67638-1-Ig



Basic Information

Catalog Number: 67638-1-Ig	GenBank Accession Number: NM_020373	Purification Method: Protein A purification
Size: 150ul , Concentration: 2000 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 57101	CloneNo.: 2F12G1
Source: Mouse	Full Name: anoctamin 2	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:50-1:500 IF 1:200-1:800
Isotype: IgG2a	Calculated MW: 114 kDa	
	Observed MW: 114 kDa	

Applications

Tested Applications:

IF, 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

*** 20ul sizes contain 0.1% BSA

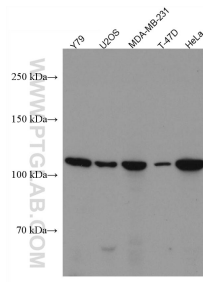
For technical support and original validation data for this product please contact:

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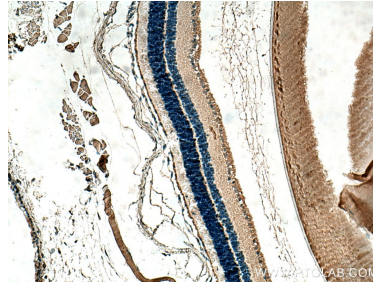
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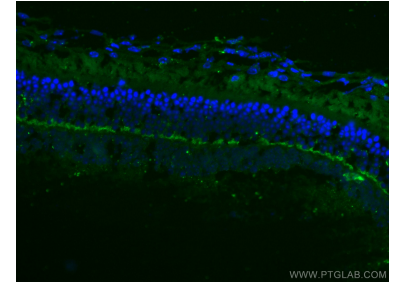
Selected Validation Data



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).