

For Research Use Only

ANO2 Polyclonal antibody

Catalog Number: 20647-1-AP

Featured Product

4 Publications



Basic Information

Catalog Number:

20647-1-AP

Concentration:

1500 ug/ml

Source:

Rabbit

Isotype:

IgG

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:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF-P 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF-P, IP, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

Positive Controls:

WB : Y79 cells,

IP : mouse brain tissue,

IHC : mouse eye tissue, human breast cancer tissue, rat eye tissue

IF-P : rat eye tissue,

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

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Domenico M Guarascio	34089532	J Physiol	IF
Emilio Agostinelli	33637538	eNeuro	WB
Yunzhen Li	38820126	Mol Cancer Res	IF

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

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:

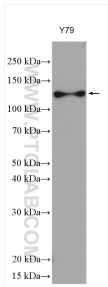
T: 4006900926

E: Proteintech-CN@ptglab.com

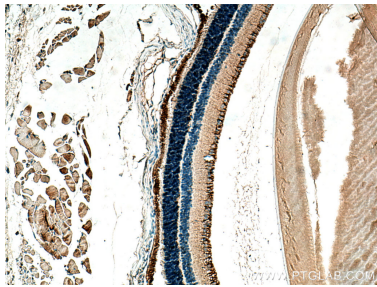
W: ptgcn.com

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

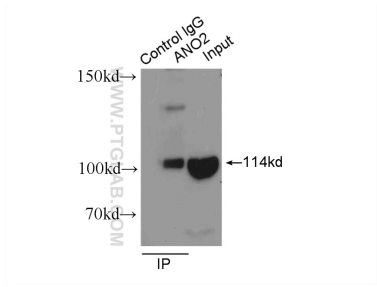
Selected Validation Data



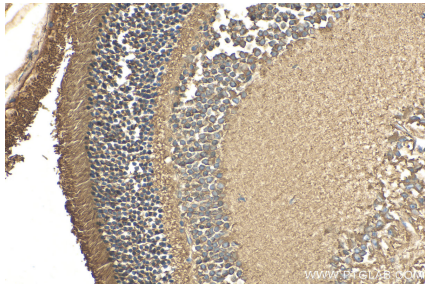
Y79 cells were subjected to SDS PAGE followed by western blot with 20647-1-AP (ANO2 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



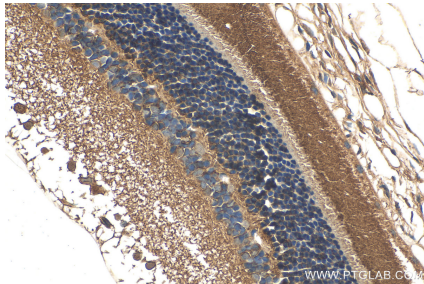
Immunohistochemical analysis of paraffin-embedded mouse eye tissue slide using 20647-1-AP (ANO2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



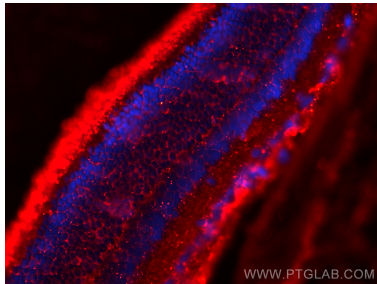
IP result of anti-ANO2 (IP:20647-1-AP, 4ug; Detection:20647-1-AP 1:300) with mouse brain tissue lysate 10000ug.



Immunohistochemical analysis of paraffin-embedded mouse eye tissue slide using 20647-1-AP (ANO2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat eye tissue slide using 20647-1-AP (ANO2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded rat eye tissue using ANO2 antibody (20647-1-AP) at dilution of 1:400 and CoraLite®594-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-4). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).