

For Research Use Only

ANO2 Polyclonal antibody

Catalog Number: 20647-1-AP

Featured Product

2 Publications



Basic Information

Catalog Number: 20647-1-AP	GenBank Accession Number: NM_020373	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 1500 µg/ml by Nanodrop and 547 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 57101	Recommended Dilutions: WB 1:500-1:1000 IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB
Source: Rabbit	Full Name: anoctamin 2	IHC 1:50-1:500
Isotype: IgG	Calculated MW: 114 kDa	
	Observed MW: 114 kDa	

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls: WB : Y79 cells, IP : mouse brain tissue, IHC : mouse eye tissue, human breast cancer tissue
Cited Applications: IF, WB	
Species Specificity: human, mouse, rat	
Cited Species: mouse	
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

Storage

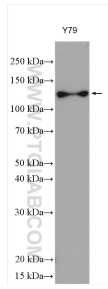
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

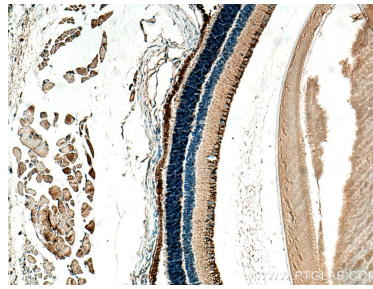
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

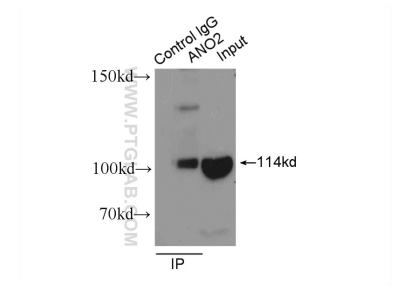
Selected Validation Data



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.