

For Research Use Only

OPN1MW Polyclonal antibody

Catalog Number: 30975-1-AP

1 Publications



Basic Information

Catalog Number: 30975-1-AP	GenBank Accession Number: BC156776	Purification Method: Antigen affinity Purification
Size: 150ul , Concentration: 500 ug/ml by Nanodrop;	GeneID (NCBI): 2652	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	UNIPROT ID: P04001	
Isotype: IgG	Full Name: opsin 1 (cone pigments), medium-wave-sensitive	
Immunogen Catalog Number: AG34169	Observed MW: 38-40 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse brain tissue, rat brain tissue
Cited Applications: WB	
Species Specificity: human, mouse, rat	
Cited Species: mouse	

Background Information

OPN1MW (opsin 1, medium wave sensitive), also known as CBD. It is expected to be located in cell membrane. This gene encodes for a light absorbing visual pigment of the opsin gene family. The encoded protein is called green cone photopigment or medium-wavelength sensitive opsin. Opsins are G-protein coupled receptors with seven transmembrane domains, an N-terminal extracellular domain, and a C-terminal cytoplasmic domain. The long-wavelength opsin gene and multiple copies of the medium-wavelength opsin gene are tandemly arrayed on the X chromosome and frequent unequal recombination and gene conversion may occur between these sequences. X chromosomes may have fusions of the medium- and long-wavelength opsin genes or may have more than one copy of these genes. Defects in this gene are the cause of deutanopic colorblindness. The calculated molecular weight of OPN1MW is 40 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Ziyang Ye	39549870	Exp Eye Res	WB

Storage

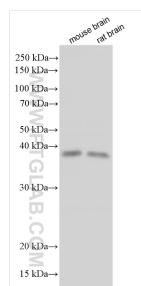
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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)
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Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 30975-1-AP (OPN1MW antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.