

For Research Use Only

Biotin-conjugated OPTN/Optineurin Monoclonal antibody

Catalog Number: Biotin-60293

Featured Product



Basic Information

Catalog Number: Biotin-60293	GenBank Accession Number: BC013876	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 10133	CloneNo.: 6C1H4
Source: Mouse	UNIPROT ID: Q96CV9	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Isotype: IgG1	Full Name: optineurin	
Immunogen Catalog Number: AG1272	Calculated MW: 66 kDa	
	Observed MW: 70-74 kDa	

Applications

Tested Applications: WB, IHC	Positive Controls: WB : human brain, IHC : human pancreas cancer tissue,
Species Specificity: human	
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

OPTN, also named as FIP2, GLC1E, HIP7, HYPL and NRP, plays a neuroprotective role in the eye and optic nerve. It is probably part of the TNF-alpha signaling pathway that can shift the equilibrium toward induction of cell death. OPTN may act by regulating membrane trafficking and cellular morphogenesis via a complex that contains Rab8 and huntingtin (HD). OPTN may constitute a cellular target for adenovirus E3 14.7, an inhibitor of TNF-alpha functions, thereby affecting cell death. Defects in OPTN are a cause of susceptibility to normal pressure glaucoma (NPG). OPTN mutated in adult-onset primary open angle glaucoma. It supports the protective role of OPTN in the trabecular meshwork. This antibody is conjugated with Biotin.

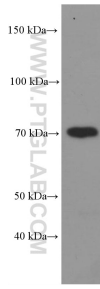
Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

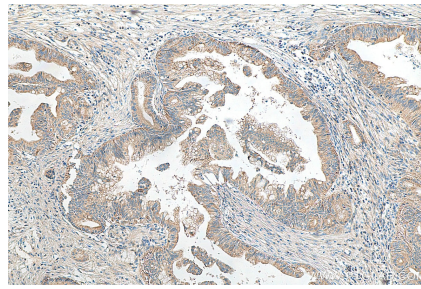
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Fetal human brain was subjected to SDS-PAGE followed by western blot with Biotin-60293 (biotin labeled OPTN monoclonal antibody) at dilution of 1:1000. Avidin-HRP was used instead of secondary antibody.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using Biotin-60293 (OPTN antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).