

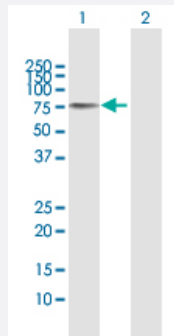
MaxPab®

OPTN MaxPab rabbit polyclonal antibody (D01)

Catalog # H00010133-D01

Size 100 uL

Applications

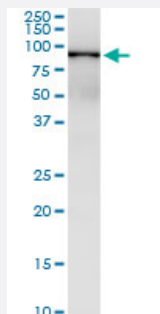


Western Blot (Transfected lysate)

Western Blot analysis of OPTN expression in transfected 293T cell line ([H00010133-T02](#)) by OPTN MaxPab polyclonal antibody.

Lane 1: OPTN transfected lysate (65.90 kDa).

Lane 2: Non-transfected lysate.



Immunoprecipitation

Immunoprecipitation of OPTN transfected lysate using anti-OPTN MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with OPTN purified MaxPab mouse polyclonal antibody (B01P) ([H00010133-B01P](#)).

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human OPTN protein.

Immunogen

OPTN (NP_001008212.1, 1 a.a. ~ 577 a.a) full-length human protein.

Sequence	MSHQPLSCLTEKEDSPSESTGNGPPHLAHPNLDFTTPEELLQQMKELLTENHQLKEAMKLNNQA MKGRFEELSAWTEKQKEERQFFEIQSKEAKERLMALSHENEKLKEELGKLKGKSERSSDPTD DSRLPRAEAEQEKDQLRTQVVRLQAEKADLLGVSELQLKLNSSGSSSEDSFVEIRMAEGEAEGS VKEIKHSPGPTRTVSTGTALSKYRSRSADGAKNYFEHEELTVSQLLLCLREGNQKVERLEVALKE AKERVSDFEKKTNRSEIETQTEGSTTEKENDEEKGPETVGSEVEALNLQVTSFLKELQEAHTKLS EAELMKKRLQEKQALERKNSAIPSELNEKQELVYTNKKLELQVESMLSEIKMEQAKTEDEKSKL TVLQMTNKLKQEHNNALKTIEELTRKESEKVDRAVLKELSEKLELAEKALASKQLQMDMKQTA KQEEDLETMTILRAQMEVYCSDFAERAAREKIHEEKEQLALQLAVLLKENDAFEDGGRQSLME MQSRHGARTSDSDQQAYLVQRGAEDRDWRQQRNIHSCPKCGEVLDPDIDTLQIHVMDCII
Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (76); Rat (73)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of OPTN expression in transfected 293T cell line ([H00010133-T02](#)) by OPTN MaxPab polyclonal antibody.

Lane 1: OPTN transfected lysate(65.90 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Immunoprecipitation

Immunoprecipitation of OPTN transfected lysate using anti-OPTN MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with OPTN purified MaxPab mouse polyclonal antibody (B01P) ([H00010133-B01P](#)).

[Protocol Download](#)

Gene Info — OPTN

Entrez GeneID	10133
GeneBank Accession#	NM_001008211

Protein Accession#	NP_001008212.1
Gene Name	OPTN
Gene Alias	FIP2, GLC1E, HIP7, HYPL, NRP, TFIIIA-INTP
Gene Description	optineurin
Omim ID	137760 602432 606657
Gene Ontology	Hyperlink
Gene Summary	This gene encodes the coiled-coil containing protein optineurin. Optineurin may play a role in normal-tension glaucoma and adult-onset primary open angle glaucoma. Optineurin interacts with adenovirus E3-14.7K protein and may utilize tumor necrosis factor-alpha or Fas-ligand pathways to mediate apoptosis, inflammation or vasoconstriction. Optineurin may also function in cellular morphogenesis and membrane trafficking, vesicle trafficking, and transcription activation through its interactions with the RAB8, huntingtin, and transcription factor IIIA proteins. Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq]
Other Designations	Huntingtin interacting protein L OTTHUMP00000019125 OTTHUMP00000019126 OTTHUMP0000019127 OTTHUMP00000019128 glaucoma 1, open angle, E (adult-onset) nemo-related protein transcription factor IIIA-interacting protein tumor necrosis factor alpha-inducible ce

Disease

- [Alzheimer Disease](#)
- [Genetic Predisposition to Disease](#)
- [Glaucoma](#)
- [Leber hereditary optic neuropathy](#)
- [Ocular Hypertension](#)
- [Optic Atrophy](#)
- [Optic Nerve Diseases](#)
- [Osteitis Deformans](#)
- [Retinal Diseases](#)
- [Tobacco Use Disorder](#)