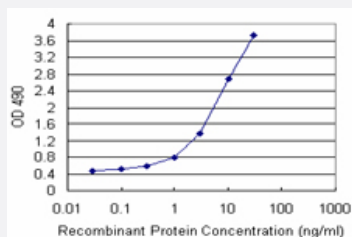


OPTN (Human) Matched Antibody Pair

Catalog # H00010133-AP21 Size 1 Set

Applications



Sandwich ELISA detection sensitivity ranging from 0.03 ng/ml to 100 ng/ml.

Specification

Product Description	This antibody pair set comes with a matched antibody pair to detect and quantify the protein level of human OPTN.
Reactivity	Human
Interspecies Antigen Sequence	Mouse (76); Rat (73)
Quality Control Testing	Standard curve using recombinant protein (H00010133-P01) as an analyte. Sandwich ELISA detection sensitivity ranging from 0.03 ng/ml to 100 ng/ml.
Supplied Product	Antibody pair set content: 1. Capture antibody: rabbit MaxPab® affinity purified polyclonal anti-OPTN (100 ug) 2. Detection antibody: mouse purified polyclonal anti-OPTN (20 ug) *Reagents are sufficient for at least 1-2 x 96 well plates using recommended protocols.
Storage Instruction	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use.

Applications

- ELISA Pair (Recombinant protein)

[Protocol Download](#)

Gene Info — OPTN

Entrez GeneID [10133](#)

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|OTTHUMP00000019127|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](#)