

Rabbit OPTN Polyclonal Antibody | anti-OPTN antibody

OPTN antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA198499	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Rat	Immunohistochemistry, Western Blot

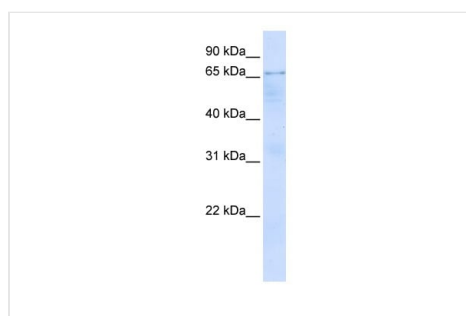
PRODUCT SYNONYMS

OPTN; Polyclonal Antibody; OPTN antibody - N-terminal region; anti-OPTN antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: SH QPLSCLTEKE DSPSESTGNG PPHLAHPNLD TFTPEELLQQ MKELLTEN
Sequence Length	577
Applicable Applications for anti-OPTN antibody	IHC (Immunohistochemistry), WB (Western Blot)
Homology	Cow: 86%; Dog: 83%; Guinea Pig: 79%; Horse: 86%; Human: 100%; Rat: 79%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human OPTN
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

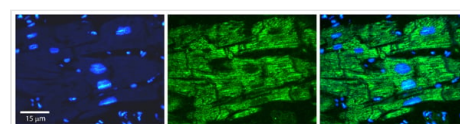
IMAGES



WB (Western Blot)

WB Suggested Anti-OPTN Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500

Control: Transfected 293T



IHC (Immunohistochemistry)

Rabbit Anti-OPTN Antibody
Formalin Fixed Paraffin Embedded Tissue: Human heart
Tissue
Observed Staining: Cytoplasmic
Primary Antibody Concentration: N/A
Other Working Concentrations: 1:600
Secondary Antibody: Donkey anti-Rabbit-Cy3
Secondary Antibody Concentration: 1:200
Magnification: 20X
Exposure Time: 0.5 - 2.0 sec

ADDITIONAL INFORMATION

Related Product Information for anti-OPTN antibody	This is a rabbit polyclonal antibody against OPTN. It was validated on Western Blot using a cell lysate as a positive control. Target Description: OPTN is 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. 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.
Product Categories/Family for anti-OPTN antibody	Polyclonal; Transcription Factor; Various; Apoptosis; E3 & Ubiquitin; Membrane & Traffic; Disease Related

NCBI AND UNIPROT INFORMATION

NCBI GI #	56549111
NCBI GeneID	10133
NCBI Accession #	NP_001008214
NCBI GenBank Nucleotide #	NM_001008213
UniProt Accession #	Q96CV9
Molecular Weight	66kDa
NCBI Official Full Name	optineurin
NCBI Official Synonym Full Names	optineurin
NCBI Official Symbol	OPTN
NCBI Official Synonym Symbols	NRP; FIP2; HIP7; HYPL; ALS12; GLC1E; TFIIIA-INTP
NCBI Protein Information	optineurin
UniProt Protein Name	Optineurin
UniProt Gene Name	OPTN
UniProt Synonym Gene Names	FIP2; GLC1E; HIP7; HYPL; NRP; HIP-7; TFIIIA-IntP
UniProt Entry Name	OPTN_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/optn-antibody-immunohistochemistry-western-blot-elisa/198499>