

anti-Human Optineurin Polyclonal Antibody | anti-OPTN antibody

Anti-Optineurin Antibody

CATALOG # AAA46444	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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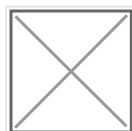
PRODUCT SYNONYMS

Optineurin; Polyclonal Antibody; Anti-Optineurin Antibody; 14.7K interacting protein; Ag9 C5; ALS12; E3 14.7K interacting protein; E3-14.7K-interacting protein; FIP 2; FIP-2; FIP2; Glaucoma 1 open angle E (adult onset); Glaucoma 1 open angle E; GLC1E; HIP 7; HIP-7; HIP7; Huntingtin interacting protein 7; Huntingtin interacting protein HYPL; Huntingtin interacting protein L; Huntingtin yeast partner L; Huntingtin-interacting protein 7; Huntingtin-interacting protein L; HYPL; Injury inducible protein I 55; NEMO related protein; NEMO-related protein; NRP; Optic neuropathy inducing protein; Optic neuropathy-inducing protein; OPTN; OPTN_HUMAN; TFIIIA IntP; TFIIIA-IntP; Transcription factor IIIA interacting protein; Transcription factor IIIA-interacting protein; Tumor necrosis factor alpha inducible cellular protein containing leucine zipper domains; optineurin; anti-OPTN antibody

PRODUCT SPECIFICATIONS

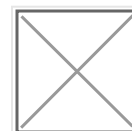
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	577
Applicable Applications for anti-OPTN antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human Optineurin recombinant protein (Position: R241-I577). Human Optineurin shares 82% amino acid (aa) sequence identity with both mouse and rat Optineurin.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)

Anti- Optineurin Picoband antibody, AAA46444, IHC(P)IHC(P): Human Placenta Tissue



WB (Western Blot)

Anti- Optineurin Picoband antibody, AAA46444, Western blottingAll lanes: Anti Optineurin (AAA46444) at 0.5ug/mlLane 1: HELA Whole Cell Lysate at 40ugLane 2: U87 Whole Cell Lysate at 40ugLane 3: SMMC Whole Cell Lysate at 40ugLane 4: HT1080 Whole Cell Lysate at 40ugPredicted bind size: 66KDObserved bind size: 66KD

ADDITIONAL INFORMATION

Related Product Information for anti-OPTN antibody	Description: Rabbit IgG polyclonal antibody for Optineurin(OPTN) detection. Tested with WB, IHC-P in Human. Background: OPTN is also known as NRP, FIP2 or HYPL. 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.
References	1. Johnson L, et al. Screening for OPTN mutations in a cohort of British amyotrophic lateral sclerosis patients. Neurobiol Aging, 2012 Dec. 2. Michou L, et al. Genetic association study of UCMA/GRP and OPTN genes (PDB6 locus) with Paget's disease of bone. Bone, 2012 Oct. 3. Weishaupt JH, et al. A novel optineurin truncating mutation and three glaucoma-associated missense variants in patients with familial amyotrophic lateral sclerosis in Germany. Neurobiol Aging, 2013 May.

NCBI AND UNIPROT INFORMATION

NCBI GI #	56549107
NCBI GeneID	10133
NCBI Accession #	NP_001008212.1
NCBI GenBank Nucleotide #	NM_001008211.1
UniProt Accession #	Q96CV9 ; Q5T672 ; Q5T673 ; Q5T674 ; Q5T675 ; Q7LDL9 ; Q8N562 ; Q9UET9 ; Q9UEV4 ; B3KP00 ; D3DRS4 ; D3DRS8
Molecular Weight	59,559 Da
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://stage.aaabiotech.com/polyclonal/optineurin-antibody-immunohistochemistry-western-blot-elisa/46444>