

Datasheet for ABIN2856108

anti-OPTN antibody

4 Images

[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	OPTN
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OPTN antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human Optineurin. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Rabbit Polyclonal antibody to Optineurin (optineurin) Optineurin antibody
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	OPTN
Alternative Name:	optineurin (OPTN Products)

Target Details

Background:	<p>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.</p> <p>Cellular Localization: Cytoplasm , perinuclear region , Golgi apparatus</p>
Molecular Weight:	66 kDa
Gene ID:	10133
UniProt:	Q96CV9
Pathways:	M Phase

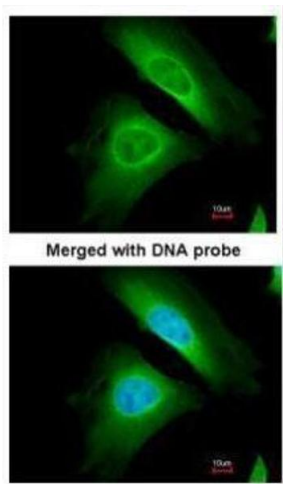
Application Details

Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. IP: 1:100-1:500. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: A431 , H1299 , HepG2
Restrictions:	For Research Use only

Handling

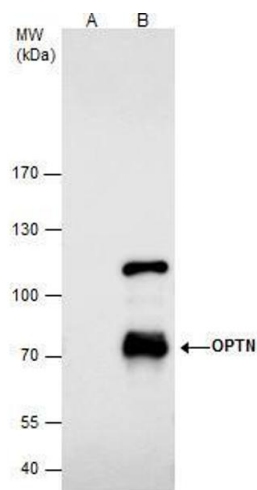
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	0.1M Tris-Glycine (pH 7), 10 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage

(1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.



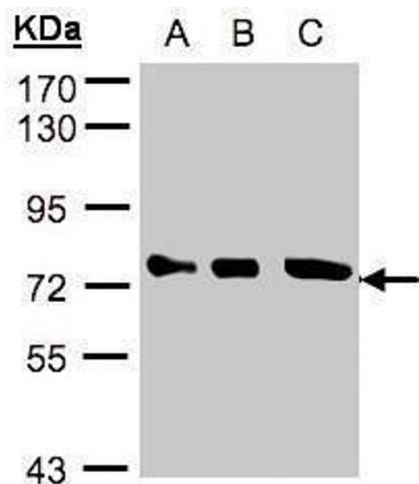
Immunofluorescence

Image 1. ICC/IF Image Immunofluorescence analysis of paraformaldehyde-fixed HeLa, using Optineurin, antibody at 1:200 dilution.



Immunoprecipitation

Image 2. IP Image Optineurin antibody immunoprecipitates Optineurin protein in IP experiments. IP samples: HepG2 whole cell extract A. Control with 4 µg of preimmune Rabbit IgG B. Immunoprecipitation of Optineurin protein by 4 µg Optineurin antibody , 7.5 % SDS-PAGE The immunoprecipitated Optineurin protein was detected by Optineurin antibody , diluted at 1:500. [EasyBlot anti-rabbit IgG was used as a secondary reagent]



Western Blotting

Image 3. WB Image Sample(30 ug whole cell lysate) A:A431, B:H1299 C:Hep G2 , 10% SDS PAGE antibody diluted at 1:2000

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN2856108.