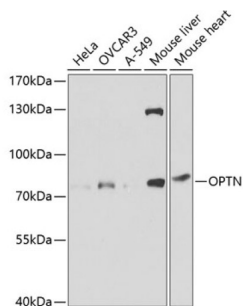
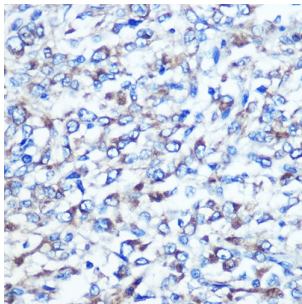


## Optineurin (OPTN) Antibody

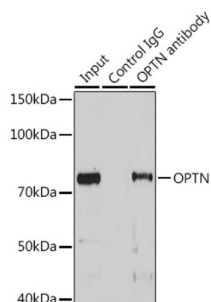
Catalogue No.: abx001525



Western blot analysis of various lysates using OPTN Antibody at 1/1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1/10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST.



Immunohistochemistry analysis of paraffin-embedded Human liver cancer using OPTN Antibody at dilution of 1/100 (40x lens). Microwave antigen retrieval performed in 0.01 M PBS Buffer (pH 7.2) prior to IHC staining.



Immunoprecipitation analysis of 25 µg extracts of Mouse heart cells using 3 µg OPTN antibody. Western blot was performed from the immunoprecipitate using OPTN antibody at a dilution of 1/1000.

OPTN Antibody is a Rabbit Polyclonal antibody against OPTN. 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.

**Target:** Optineurin (OPTN)

**Clonality:** Polyclonal

**Reactivity:** Human, Mouse

**Tested Applications:** ELISA, WB, IHC, IP

**Host:** Rabbit

# Datasheet

Version: 4.0.0  
Revision date: 16 Oct 2025



**Recommended dilutions:** ELISA: 1 µg/ml, WB: 1/500 - 1/2000, IHC-P: 1/50 - 1/200, IP: 0.5 µg - 4 µg antibody per 25 µg - 100 µg extracts of whole cells. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.

**Conjugation:** Unconjugated

**Immunogen:** Recombinant protein corresponding to OPTN. The exact sequence is proprietary.

**Isotype:** IgG

**Form:** Liquid

**Purification:** Purified by affinity chromatography.

**Storage:** Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

**UniProt Primary AC:** Q96CV9 ([UniProt](#), [ExPASy](#))

**Gene Symbol:** OPTN

**GeneID:** [10133](#)

**NCBI Accession:** NP\_068815.2

**KEGG:** hsa:10133

**String:** [9606.ENSP00000368022](#)

**Molecular Weight:** Calculated MW: 66 kDa  
Observed MW: 78 kDa

**Buffer:** PBS, pH 7.3, containing 0.02% sodium azide, 50% glycerol.

**Concentration:** > 0.2 mg/ml

**Note:** THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.