

# OPTN Rabbit pAb

Catalog No.: A1845

2 Publications

## Basic Information

### Observed MW

78kDa

### Calculated MW

66kDa

### Category

Primary antibody

### Applications

ELISA, WB, IHC-P, IP

### Cross-Reactivity

Human, Mouse

## Background

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.

## Recommended Dilutions

**WB** 1:500 - 1:2000

**IHC-P** 1:50 - 1:200

**IP** 0.5µg-4µg antibody for  
25µg-100µg extracts of  
whole cells

## Immunogen Information

### Gene ID

10133

### Swiss Prot

Q96CV9

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-577 of human OPTN (NP\_068815.2).

### Synonyms

NRP; FIP2; HIP7; HYPL; ALS12; GLC1E; TFIIIA-INTP; OPTN

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

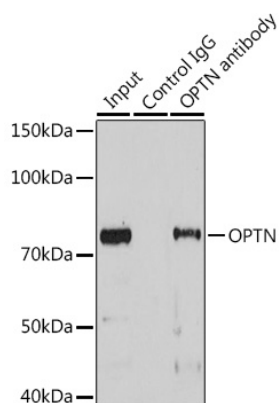
Affinity purification

### Storage

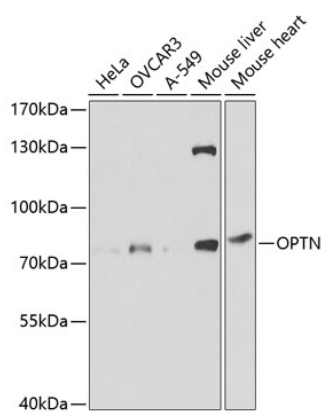
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

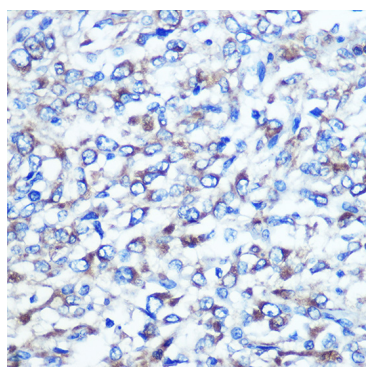
## Validation Data



Immunoprecipitation analysis of 25 µg extracts of Mouse heart cells using 3 µg OPTN antibody (A1845). Western blot was performed from the immunoprecipitate using OPTN antibody (A1845) at a dilution of 1:1000.



Western blot analysis of various lysates using OPTN Rabbit pAb (A1845) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST.



Immunohistochemistry analysis of OPTN in paraffin-embedded human liver cancer using OPTN Rabbit pAb (A1845) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.