

# OPTN Rabbit Polyclonal Antibody



CAB1845

## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

78kDa

### Calculated MW:

59kDa/65kDa

### Applications:

WB IHC IP

### Reactivity:

Human, Mouse

## Antibody Information

### Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50  
- 1:200 IP 1:50 - 1:200

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

## Protein 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.

## Immunogen information

### Gene ID:

10133

### Uniprot

Q96CV9

### Synonyms:

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

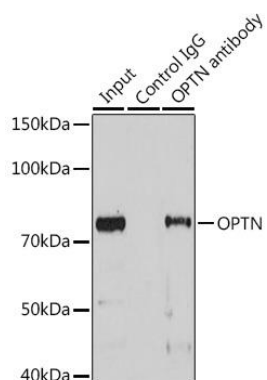
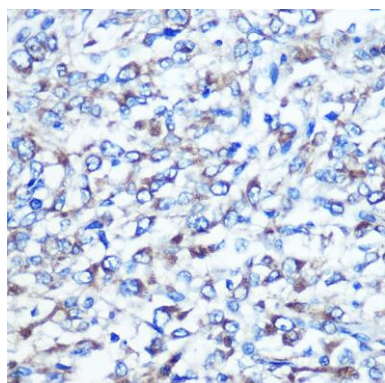
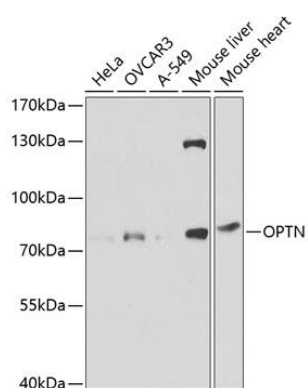
### Immunogen:

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

### Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Product Images



Western blot analysis of extracts of various cell lines, using OPTN antibody (CAB1845) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.

Immunohistochemistry of paraffin-embedded human liver cancer using OPTN Rabbit pAb (CAB1845) at dilution of 1:100 (40x lens).

Immunoprecipitation analysis of 25ug extracts of Mouse heart cells using 3ug OPTN antibody (CAB1845). Western blot was performed from the immunoprecipitate using OPTN antibody (CAB1845) at a dilution of 1:1000.