

A1845

Leader in Biomolecular Solutions for Life Science



## OPTN Rabbit pAb

Catalog No.: A1845

3 Publications

### Basic Information

#### Observed MW

78kDa

#### Calculated MW

66kDa

#### Category

Polyclonal Antibody

#### Applications

WB,IHC-P,IP,ELISA

#### 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

**ELISA** Recommended starting  
concentration is 1  
µg/mL. Please optimize  
the concentration  
based on your specific  
assay requirements.

### Immunogen Information

**Gene ID**  
10133

**Swiss Prot**  
Q96CV9

#### Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

#### Synonyms

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

### Product Information

**Source**  
Rabbit

**Isotype**  
IgG

**Purification**  
Affinity purification

#### Storage

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

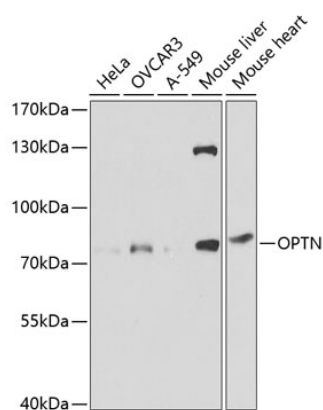
Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

### Contact



[www.abclonal.com](http://www.abclonal.com)

## Validation Data

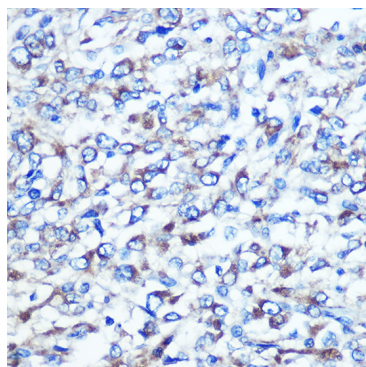


Western blot analysis of various lysates using OPTN Rabbit pAb (A1845) at 1:1000 dilution.

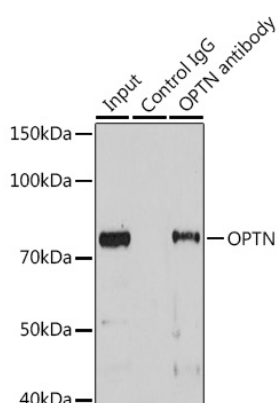
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.



Immunohistochemistry analysis of paraffin-embedded Human liver cancer using OPTN Rabbit pAb (A1845) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



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.