

Datasheet for ABIN3042498
anti-OPTN antibody (AA 241-577)[Go to Product page](#)

2 Images

Overview

| | |
|----------------------|--|
| Quantity: | 100 µg |
| Target: | OPTN |
| Binding Specificity: | AA 241-577 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This OPTN antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

Product Details

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| Purpose: | Rabbit IgG polyclonal antibody for Optineurin(OPTN) detection. Tested with WB, IHC-P in Human. |
| Immunogen: | E.coli-derived human Optineurin recombinant protein (Position: R241-I577). Human Optineurin shares 82% amino acid (aa) sequence identity with both mouse and rat Optineurin. |
| Isotype: | IgG |
| Cross-Reactivity (Details): | No cross reactivity with other proteins. |
| Characteristics: | Rabbit IgG polyclonal antibody for Optineurin(OPTN) detection. Tested with WB, IHC-P in Human. Gene Name: optineurin Protein Name: Optineurin |
| Purification: | Immunogen affinity purified. |

Target Details

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| Target: | OPTN |
| Alternative Name: | OPTN (OPTN Products) |
| Background: | <p>OPTN is also known as NRP, FIP2 or HYPL. 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>Synonyms: 14.7K interacting protein antibody Ag9 C5 antibody ALS12 antibody E3 14.7K interacting protein antibody E3-14.7K-interacting protein antibody FIP 2 antibody FIP-2 antibody FIP2 antibody Glaucoma 1 open angle E (adult onset) antibody Glaucoma 1 open angle E antibody GLC1E antibody HIP 7 antibody HIP-7 antibody HIP7 antibody Huntingtin interacting protein 7 antibody Huntingtin interacting protein HYPL antibody Huntingtin interacting protein L antibody Huntingtin yeast partner L antibody Huntingtin-interacting protein 7 antibody Huntingtin-interacting protein L antibody HYPL antibody Injury inducible protein I 55 antibody NEMO related protein antibody NEMO-related protein antibody NRP antibody Optic neuropathy inducing protein antibody Optic neuropathy-inducing protein antibody Optineurin antibody OPTN antibody OPTN_HUMAN antibody TFIIIA IntP antibody TFIIIA-IntP antibody Transcription factor IIIA interacting protein antibody Transcription factor IIIA-interacting protein antibody Tumor necrosis factor alpha inducible cellular protein containing leucine zipper domains antibody</p> |
| Gene ID: | 10133 |
| Pathways: | M Phase |

Application Details

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| Application Notes: | <p>WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, The detection limit for Optineurin is approximately 0.1 ng/lane under reducing conditions.</p> <p>IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.</p> <p>Notes: Tested Species: Species with positive results. Other applications have not been tested.</p> |
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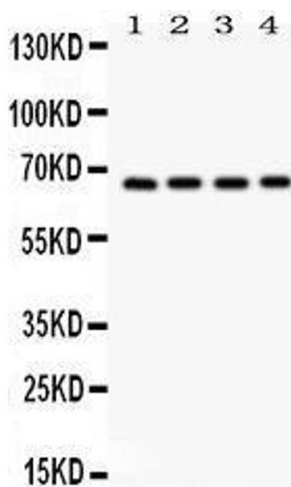
Application Details

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| | Optimal dilutions should be determined by end users. |
| Comment: | Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P). |
| Restrictions: | For Research Use only |

Handling

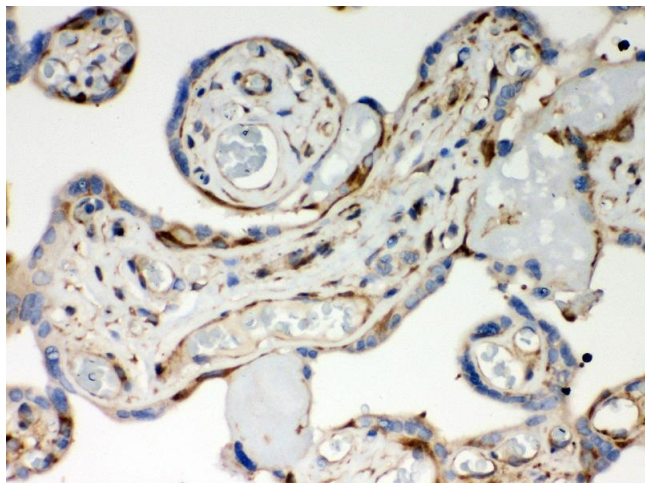
| | |
|--------------------|---|
| Format: | Lyophilized |
| Reconstitution: | Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL. |
| Concentration: | 500 µg/mL |
| Buffer: | Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | Avoid repeated freezing and thawing. |
| Storage: | 4 °C/-20 °C |
| Storage Comment: | At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing. |

Images



Western Blotting

Image 1.



Immunohistochemistry

Image 2. Anti- Optineurin Picoband antibody, IHC(P) IHC(P):
Human Placenta Tissue