Product datasheet for TA332444

Optineurin (OPTN) Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies
Applications: IHC, WB
Reactivity: Human, Mouse, Rat
Host: Rabbit
Isotype: IgG
Clonality: Polyclonal
Immunogen: Recombinant protein of human OPTN
Formulation: Store at -20°C (regular) and -80°C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Concentration: 1 mg/ml
Purification: Affinity purification
Predicted Protein Size: 577
Gene Name: optineurin
Database Link: NP_068815; Entrez Gene 71648; MouseEntrez Gene 246294; RatEntrez Gene 10133; Human
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.
Synonyms: ALS12; FIP2; GLC1E; HIP7; HYPL; NRP; TFIIIA-INTP
Protein Families: Druggable Genome
Western blot analysis of extracts of various cell lines, using OPTN antibody.

Immunohistochemistry of paraffin-embedded human esophageal cancer using OPTN antibody at dilution of 1:100 (200x lens).
Immunohistochemistry of paraffin-embedded rat kidney using OPTN antibody at dilution of 1:100 (200x lens).