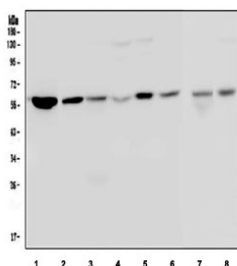


OPTN Antibody / Optineurin [clone 3D8] (RQ4945)

Catalog No.	Formulation	Size
RQ4945	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b
Clone Name	3D8
Purity	Purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q96CV9
Applications	Western Blot : 0.5-1ug/ml
Limitations	This OPTN antibody is available for research use only.



Western blot testing of 1) human U-87 MG, 2) human U-2 OS, 3) human placenta, 4) human HeLa, 5) human A549, 6) human K562, 7) rat C6 and 8) mouse Neuro-2a cell lysate with OPTN antibody. Expected molecular weight: 66-74 kDa depending on phosphorylation level.

Description

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.

Application Notes

Optimal dilution of the OPTN antibody should be determined by the researcher.

Immunogen

Amino acids R241-I577 from the human protein were used as the immunogen for the OPTN antibody.

Storage

After reconstitution, the OPTN antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.