

anti- OPTN antibody

Product Information

Catalog No.:	FNab05999
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Background

Plays an important role in the maintenance of the Golgi complex, in membrane trafficking, in exocytosis, through its interaction with myosin VI and Rab8. Links myosin VI to the Golgi complex and plays an important role in Golgi ribbon formation. Negatively regulates the induction of IFNB in response to RNA virus infection. Plays a neuroprotective role in the eye and optic nerve. Probably part of the TNF-alpha signaling pathway that can shift the equilibrium toward induction of cell death. May act by regulating membrane trafficking and cellular morphogenesis via a complex that contains Rab8 and hungtingtin(HD). Mediates the interaction of Rab8 with the probable GTPase-activating protein TBC1D17 during Rab8-mediated endocytic trafficking, such as of transferrin receptor(TFRC/TfR); regulates Rab8 recruitment to tubules emanating from the endocytic recycling compartment. Autophagy receptor that interacts directly with both the cargo to become degraded and an autophagy modifier of the MAP1 LC3 family; targets ubiquitin-coated bacteria(xenophagy), such as cytoplasmic Salmonella enterica, and appears to function in the same pathway as SQSTM1 and CALCOCO2/NDP52. May constitute a cellular target for adenovirus E3 14.7, an inhibitor of TNF-alpha functions, thereby affecting cell death. This antibody recognises 66 and 70-74 kDa band, and the additional 70-74 kDa band due to phosphorylation.

Immunogen information

Immunogen: optineurin

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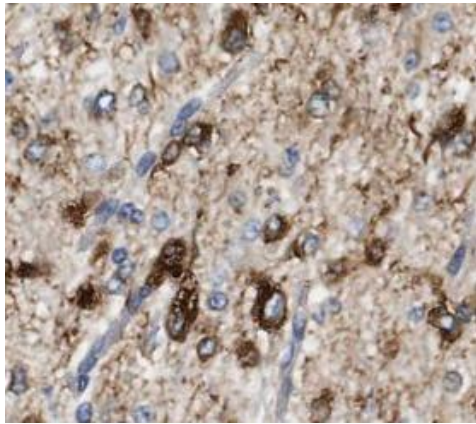
Fax: (0086)027-87800889

www.fn-test.com

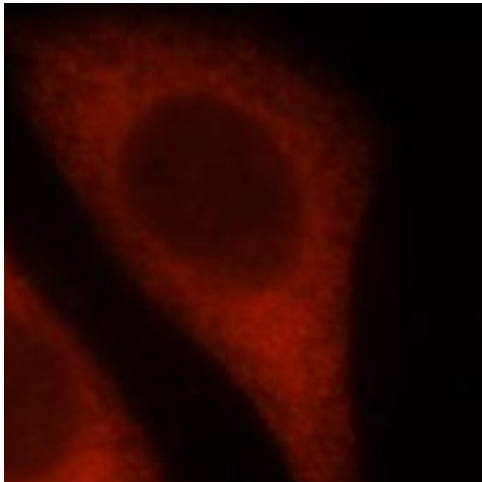
Synonyms: FIP2, GLC1E, HIP7, HYPL, NRP
Observed MW: 66 kDa
Uniprot ID : Q96CV9

Application

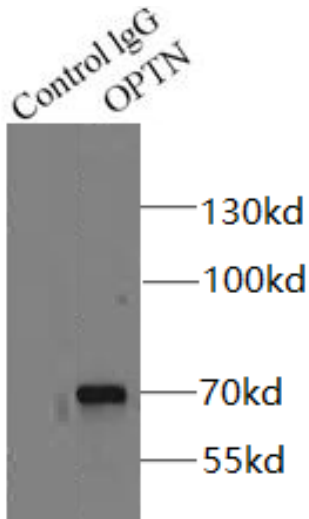
Reactivity: Human, Mouse, Rat
Tested Application: ELISA, WB, IHC, IF, IP
Recommended dilution: WB: 1:500-1:2000; IP:1:500-1:1000; IHC: 1:50-1:500; IF: 1:10-1:100
Image:



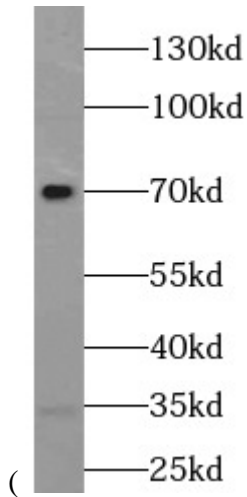
Immunohistochemistry of paraffin-embedded human gliomas tissue slide using FNab05999(OPTN Antibody) at dilution of 1:200



Immunofluorescent analysis of MCF-7 cells, using OPTN antibody FNab05999 at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



IP Result of anti-OPTN (IP: FNab05999, 4ug;
Detection: FNab05999 1:600) with mouse brain
tissue lysate 10000ug.



HeLa cells were subjected to SDS PAGE followed
by western blot with FNab05999(OPTN antibody)
at dilution of 1:1000