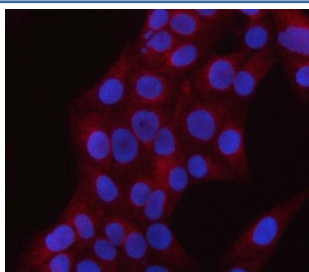


PNPLA6 Antibody / NTE (RQ8014)

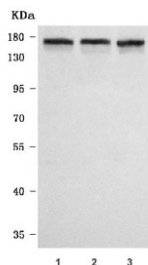
Catalog No.	Formulation	Size
RQ8014	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

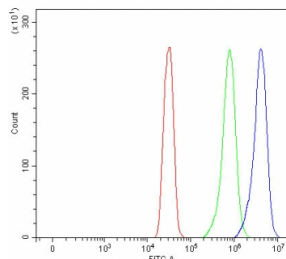
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q8IY17
Localization	Cytoplasm
Applications	Western Blot : 0.5-1ug/ml Immunofluorescence : 5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This PNPLA6 antibody is available for research use only.



Immunofluorescent staining of FFPE human U-2 OS cells with PNPLA6 antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of human 1) HeLa, 2) 293T and 3) SH-SY5Y cell lysate with PNPLA6 antibody. Predicted molecular weight: 143-151 kDa (multiple isoforms).



Flow cytometry testing of fixed and permeabilized human SiHa cells with PNPLA6 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= PNPLA6 antibody.

Description

Neuropathy target esterase (NTE), also known as patatin-like phospholipase domain-containing protein 6 (PNPLA6), is an esterase enzyme that in humans is encoded by the PNPLA6 gene. This gene encodes a phospholipase that deacetylates intracellular phosphatidylcholine to produce glycerophosphocholine. It is thought to function in neurite outgrowth and process elongation during neuronal differentiation. The protein is anchored to the cytoplasmic face of the endoplasmic reticulum in both neurons and non-neuronal cells. Mutations in this gene result in autosomal recessive spastic paraplegia, and the protein is the target for neurodegeneration induced by organophosphorus compounds and chemical warfare agents. Multiple transcript variants encoding different isoforms have been found for this gene.

Application Notes

Optimal dilution of the PNPLA6 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids H15-E1296) was used as the immunogen for the PNPLA6 antibody.

Storage

After reconstitution, the PNPLA6 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.