abcam

Product datasheet

Anti-NTE antibody ab110391

1 Abreviews 1 Image

Overview

Product name	Anti-NTE antibody
Description	Rabbit polyclonal to NTE
Tested applications	**Suitable for:** WB
Species reactivity	**Reacts with:** Human **Predicted to work with:** Mouse
Immunogen	Synthesized peptide derived from an internal region of Human NTE.
Positive control	Extracts from COLO205 cells

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 0.88% Sodium chloride, 50% Glycerol
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our Abpromise guarantee covers the use of **ab110391** in the following tested applications.

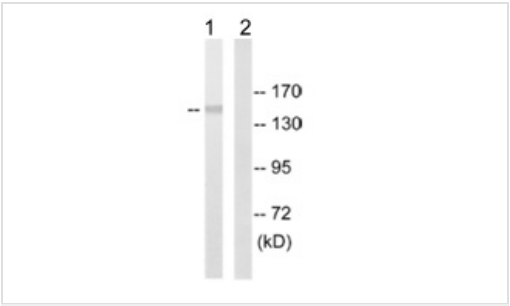
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/1000. Predicted molecular weight: 150 kDa.

Target

Function	Phospholipase B that deacylates intracellular phosphatidylcholine (PtdCho), generating glycerophosphocholine (GroPtdCho). This deacylation occurs at both sn-2 and sn-1 positions of PtdCho. Its specific chemical modification by certain organophosphorus (OP) compounds leads to distal axonopathy.
Tissue specificity	Expressed in brain, placenta, kidney, neuron and skeletal muscle.
Involvement in disease	Defects in PNPLA6 are the cause of spastic paraplegia autosomal recessive type 39 (SPG39) [MIM:612020]; also known as NTE-related motor neuron disorder (NTEMND). Spastic paraplegia is a neurodegenerative disorder characterized by a slow, gradual, progressive weakness and spasticity of the lower limbs. Rate of progression and the severity of symptoms are quite variable. Initial symptoms may include difficulty with balance, weakness and stiffness in the legs, muscle spasms, and dragging the toes when walking. In some forms of the disorder, bladder symptoms (such as incontinence) may appear, or the weakness and stiffness may spread to other parts of the body. SPG39 is associated with a motor axonopathy affecting upper and lower limbs and resulting in progressive wasting of distal upper and lower extremity muscles.
Sequence similarities	Belongs to the NTE family. Contains 3 cyclic nucleotide-binding domains. Contains 1 patatin domain.
Post-translational modifications	Glycosylated.
Cellular localization	Endoplasmic reticulum membrane. Anchored to the cytoplasmic face of the endoplasmic reticulum by its amino-terminal transmembrane segment.

Images



Western blot - NTE antibody (ab110391)

All lanes : Anti-NTE antibody (ab110391) at 1/500 dilution

Lane 1 : extracts from COLO205 cells
Lane 2 : extracts from COLO205 cells with blocking peptide at 10 µg

Lysates/proteins at 30 µg per lane.

Predicted band size : 150 kDa

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