

Anti-NTE/PNPLA6 Antibody

Catalog Number: PA1226

About pnpla6

Patatin-like phospholipase domain containing 6 (PNPLA6), also known as Neuropathy target esterase (NTE), is a human gene. Neuropathy target esterase (NTE) is involved in neural development and is the target for neurodegeneration induced by selected organophosphorus pesticides and chemical warfare agents. The genetic or chemical reduction of Nte activity results in a neurological phenotype of hyperactivity in mammals and indicate that EOPF toxicity occurs directly through inhibition of Nte without the requirement for Nte gain of function or aging.

Overview

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|----------------------|---|
| Product Name | Anti-NTE/PNPLA6 Antibody |
| Reactive Species | Zebrafish |
| Description | Boster Bio Anti-NTE/PNPLA6 Antibody catalog # PA1226. Tested in IHC, WB applications. This antibody reacts with Zebrafish. |
| Application | IHC, WB |
| Clonality | Polyclonal G9 |
| Formulation | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ . |
| Storage Instructions | Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles. |
| Host | Rabbit |
| Uniprot ID | F1R844 |

Technical Details

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|-------------------------------|---|
| Immunogen | A synthetic peptide corresponding to a sequence at the C-terminus of fish NTE. |
| Predicted Reactive Species | Zebrafish |
| Recommended Detection Systems | Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P) and IHC(F). |
| Cross Reactivity | No cross reactivity with other proteins |
| Form | Liquid |
| Concentration | Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. |
| Purification | Immunogen affinity purified. |
| Suggested Dilutions | Dilute the sample so that the expected range of concentrations fall within the detection range of this |

kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

Immunohistochemistry (Frozen Section), 0.5-1ug/ml, Zebrafish, -

Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Zebrafish, By Heat

Western blot, 0.1-0.5ug/ml, Zebrafish

Anti-NTE/PNPLA6 Antibody (PA1226) Images



Anti-NTE antibody, PA1226, Western blotting
All lanes: Anti NTE (PA1226) at 0.5ug/ml
Lane 1: Male Zebrafish Tissue Lysate at 50ug
Lane 2: Female Zebrafish Tissue Lysate at 50ug
Predicted bind size: 110KD
Observed bind size: 110KD

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