Anti-PPT1/PPT antibody ab89022

Overview

Product name
Anti-PPT1/PPT antibody

Description
Mouse polyclonal to PPT1/PPT

Host species
Mouse

Tested applications
Suitable for: WB, IHC-P

Species reactivity
Reacts with: Human

Immunogen
Full length protein corresponding to Human PPT1/PPT.
Database link: NP_000301.1

Positive control
WB: Human liver tissue lysate, PPT1/PPT transfected HEK-293T cell lysate. IHC-P: Human salivary gland tissue.

General notes
This product was previously labelled as PPT1

Properties

Form
Liquid

Storage instructions
Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

Storage buffer
pH: 7.20

Purity
Protein A purified

Clonality
Polyclonal

Isotype
IgG

Applications

Our Abpromise guarantee covers the use of ab89022 in the following tested applications.

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

**IHC-P:** Use at a concentration of 3 µg/ml. Antigen retrieval is recommended. Place sample in 1X citrate buffer (pH 6.0) and microwave at 750W for 20 minutes, cool sample.

**WB:** Use at a concentration of 1 µg/ml. Detects a band of approximately 34 kDa (predicted molecular weight: 34 kDa).

Not yet tested in other applications. Optimal dilutions/concentrations should be determined by the end user.

### Target

#### Function

Removes thioester-linked fatty acyl groups such as palmitate from modified cysteine residues in proteins or peptides during lysosomal degradation. Prefers acyl chain lengths of 14 to 18 carbons.

#### Involvement in disease

Defects in PPT1 are the cause of neuronal ceroid lipofuscinoses type 1 (CLN1) [MIM:256730]. A form of neuronal ceroid lipofuscinoses with variable age at onset. Infantile, late-infantile, juvenile, and adult onset have been reported. Neuronal ceroid lipofuscinoses are progressive neurodegenerative, lysosomal storage diseases characterized by intracellular accumulation of autofluorescent liposomal material, and clinically by seizures, dementia, visual loss, and/or cerebral atrophy. The lipopigment pattern seen most often in CLN1 is referred to as granular osmiophilic deposits (GROD).

#### Sequence similarities

Belongs to the palmitoyl-protein thioesterase family.

#### Cellular localization

Lysosome.

### Images

Anti-PPT1/PPT antibody (ab89022) at 1 µg/ml + Human liver tissue lysate at 50 µg

**Predicted band size:** 34 kDa

**Observed band size:** 34 kDa
**Western blot - Anti-PPT1/PPT antibody (ab89022)**

**All lanes:** Anti-PPT1/PPT antibody (ab89022) at 1 µg/ml

**Lane 1:** PPT1/PPT transfected HEK-293T cell lysate

**Lane 2:** Non-transfected lysate

Lysates/proteins at 25 µg per lane.

**Predicted band size:** 34 kDa

**Observed band size:** 34 kDa

**Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PPT1/PPT antibody (ab89022)**

ab89022 at 3µg/ml staining PPT1/PPT in Human salivary gland by Immunohistochemistry, Formalin-fixed, Paraffin-embedded tissue.

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