

Anti-ABHD4 Antibody

Catalog # AP53839

Specification

Anti-ABHD4 Antibody - Product Information

Application WB, IHC Primary Accession Q8TB40

Reactivity Human, Mouse, Rat

Host Rabbit
Clonality Polyclonal
Calculated MW 38794

Anti-ABHD4 Antibody - Additional Information

Gene ID 63874

Other Names

Abhydrolase domain-containing protein 4; Alpha/beta-hydrolase 4; Lyso-N-acylphosphatidylethanolamine lipase

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human ABHD4. The exact sequence is proprietary.

Dilution

WB~~1/500 - 1/1000 IHC~~1:100~500

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Anti-ABHD4 Antibody - Protein Information

Name ABHD4 (HGNC:20154)

Function

Lysophospholipase selective for N-acyl phosphatidylethanolamine (NAPE). Contributes to the biosynthesis of N- acyl ethanolamines, including the endocannabinoid anandamide by hydrolyzing the sn-1 and sn-2 acyl chains from N-acyl phosphatidylethanolamine (NAPE) generating glycerophospho-N-acyl ethanolamine (GP-NAE), an intermediate for N-acyl ethanolamine biosynthesis. Hydrolyzes substrates bearing saturated, monounsaturated, polyunsaturated N-acyl chains. Shows no significant activity towards other lysophospholipids, including lysophosphatidylcholine, lysophosphatidylethanolamine and lysophosphatidylserine.

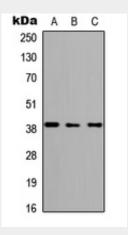


Anti-ABHD4 Antibody - Protocols

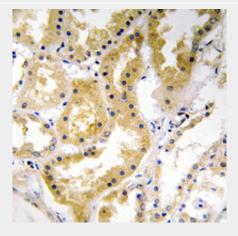
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

Anti-ABHD4 Antibody - Images



Western blot analysis of ABHD4 expression in HEK293T (A), Raw264.7 (B), H9C2 (C) whole cell lysates.



Immunohistochemical analysis of ABHD4 staining in human kidney formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Anti-ABHD4 Antibody - Background

Rabbit polyclonal antibody to ABHD4