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ABHD4 Antibody (Center) Blocking peptide

Synthetic peptide
Catalog # BP13670c

Specification

ABHD4 Antibody (Center) Blocking peptide - Product Information

Primary Accession Q8TB40

ABHD4 Antibody (Center) Blocking peptide - Additional Information

Gene ID 63874

Other Names
Abhydrolase domain-containing protein 4, 311-, Alpha/beta-hydrolase 4, Lyso-N-acylphosphatidylethanolamine lipase, ABHD4

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP13670c was selected from the Center region of ABHD4. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

ABHD4 Antibody (Center) Blocking peptide - Protein Information

Name ABHD4 (HGNC:20154)

Function

ABHD4 Antibody (Center) Blocking peptide - Background

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 (By similarity).

ABHD4 Antibody (Center) Blocking peptide - References

Simon, G.M., et al. J. Biol. Chem. 281(36):26465-26472(2006)

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ABHD4 Antibody (Center) Blocking peptide - Protocols

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

- Blocking Peptides