

BACH Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP6949c

Specification

BACH Antibody (Center) Blocking Peptide - Product Information

Primary Accession [O00154](#)

BACH Antibody (Center) Blocking Peptide - Additional Information

Gene ID 11332

Other Names

Cytosolic acyl coenzyme A thioester hydrolase, Acyl-CoA thioesterase 7, Brain acyl-CoA hydrolase, BACH, CTE-IIa, CTE-II, Long chain acyl-CoA thioester hydrolase, ACOT7, BACH

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP6949c](/products/AP6949c) was selected from the Center region of human BACH. 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.

BACH Antibody (Center) Blocking Peptide - Protein Information

Name ACOT7

Synonyms BACH

Function

Catalyzes the hydrolysis of acyl-CoAs into free fatty acids and coenzyme A (CoASH), regulating their respective intracellular levels (PubMed:<http://www.uniprot.org/citations/10578051> target="_blank">10578051). Preferentially hydrolyzes palmitoyl-CoA, but has a broad specificity acting on other fatty acyl-CoAs with chain-lengths of C8-C18 (PubMed:<http://www.uniprot.org/citations/10578051> target="_blank">10578051). May play an important physiological function in brain (PubMed:<http://www.uniprot.org/citations/10578051> target="_blank">10578051).

Cellular Location

[Isoform 4]: Cytoplasm, cytosol [Isoform 1]: Mitochondrion

Tissue Location

Isoform 4 is expressed exclusively in brain.

BACH Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

BACH Antibody (Center) Blocking Peptide - Images**BACH Antibody (Center) Blocking Peptide - Background**

BACH is a member of the acyl coenzyme family. This protein hydrolyzes the CoA thioester of palmitoyl-CoA and other long-chain fatty acids.

BACH Antibody (Center) Blocking Peptide - References

Hunt, M.C., et al., FASEB J. 20 (11), 1855-1864 (2006) Lim, J., et al., Cell 125 (4), 801-814 (2006)