

**BACH Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP6949b****Specification**

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**BACH Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [O00154](#)**BACH Antibody (C-term) 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

**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 (C-term) 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:&lt;a href="http://www.uniprot.org/citations/10578051" target="\_blank"&gt;10578051&lt;/a&gt;). Preferentially hydrolyzes palmitoyl-CoA, but has a broad specificity acting on other fatty acyl-CoAs with chain- lengths of C8-C18 (PubMed:&lt;a href="http://www.uniprot.org/citations/10578051" target="\_blank"&gt;10578051&lt;/a&gt;). May play an important physiological function in brain (PubMed:&lt;a href="http://www.uniprot.org/citations/10578051" target="\_blank"&gt;10578051&lt;/a&gt;).

**Cellular Location**

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

**Tissue Location**

Isoform 4 is expressed exclusively in brain.

## **BACH Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

## **BACH Antibody (C-term) Blocking Peptide - Images**

## **BACH Antibody (C-term) Blocking Peptide - Background**

BACH is a member of the acyl coenzyme family. The encoded protein hydrolyzes the CoA thioester of palmitoyl-CoA and other long-chain fatty acids. Decreased expression of this gene may be associated with mesial temporal lobe epilepsy.

## **BACH Antibody (C-term) Blocking Peptide - References**

Yoshida, T., et al. Int. J. Mol. Med. 25(4):649-656(2010)Oguri, M., et al. Am. J. Hypertens. 23(1):70-77(2010)Yoshida, T., et al. Int. J. Mol. Med. 24(4):539-547(2009)