

AOAH Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP17325c**Specification**

AOAH Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [P28039](#)**AOAH Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 313**Other Names**

Acyloxyacyl hydrolase, Acyloxyacyl hydrolase small subunit, Acyloxyacyl hydrolase large subunit, AOAH

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.

AOAH Antibody (Center) Blocking Peptide - Protein Information**Name** AOAH {ECO:0000303|PubMed:1883828}**Function**

Removes the secondary (acyloxyacyl-linked) fatty acyl chains from the lipid A region of bacterial lipopolysaccharides (PubMed: [1883828](http://www.uniprot.org/citations/1883828), PubMed: [8089145](http://www.uniprot.org/citations/8089145), PubMed: [29343645](http://www.uniprot.org/citations/29343645)). By breaking down LPS, terminates the host response to bacterial infection and prevents prolonged and damaging inflammatory responses (By similarity). In peritoneal macrophages, seems to be important for recovery from a state of immune tolerance following infection by Gram-negative bacteria (By similarity).

Cellular Location

Secreted. Cytoplasmic vesicle. Note=Detected in urine {ECO:0000250|UniProtKB:O35298}

AOAH Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

AOAH Antibody (Center) Blocking Peptide - Images

AOAH Antibody (Center) Blocking Peptide - Background

This locus encodes both the light and heavy subunits of acyloxyacyl hydrolase. The encoded enzyme catalyzes the hydrolysis of acyloxyacyl-linked fatty acyl chains from bacterial lipopolysaccharides, effectively detoxifying these molecules. The encoded protein may play a role in modulating host inflammatory response to gram-negative bacteria. Alternatively spliced transcript variants have been described.

AOAH Antibody (Center) Blocking Peptide - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) ; Pelak, K., et al. J. Infect. Dis. 201(8):1141-1149 (2010) ; Barnes, K.C., et al. J. Allergy Clin. Immunol. 118(1):70-77 (2006) ; Coulthard, M.G., et al. Infect. Immun. 64(5):1510-1515 (1996) ; Staab, J.F., et al. J. Biol. Chem. 269(38):23736-23742 (1994)