

**ALOX5AP Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP7897c****Specification**

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**ALOX5AP Antibody (Center) Blocking Peptide - Product Information**Primary Accession [P20292](#)**ALOX5AP Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 241**Other Names**

Arachidonate 5-lipoxygenase-activating protein, FLAP, MK-886-binding protein, ALOX5AP, FLAP

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP7897c](/products/AP7897c) was selected from the Center region of human ALOX5AP. 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.

**ALOX5AP Antibody (Center) Blocking Peptide - Protein Information****Name** ALOX5AP**Synonyms** FLAP**Function**

Required for leukotriene biosynthesis by ALOX5 (5-lipoxygenase). Anchors ALOX5 to the membrane. Binds arachidonic acid, and could play an essential role in the transfer of arachidonic acid to ALOX5. Binds to MK-886, a compound that blocks the biosynthesis of leukotrienes.

**Cellular Location**

Nucleus membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane; Multi-pass membrane protein

## **ALOX5AP Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

## **ALOX5AP Antibody (Center) Blocking Peptide - Images**

## **ALOX5AP Antibody (Center) Blocking Peptide - Background**

ALOX5AP is a protein which, with 5-lipoxygenase, is required for leukotriene synthesis. Leukotrienes are arachidonic acid metabolites which have been implicated in various types of inflammatory responses, including asthma, arthritis and psoriasis. This protein localizes to the plasma membrane. Inhibitors of its function impede translocation of 5-lipoxygenase from the cytoplasm to the cell membrane and inhibit 5-lipoxygenase activation.

## **ALOX5AP Antibody (Center) Blocking Peptide - References**

Zintzaras,E., Am. J. Epidemiol. 169 (5), 523-532 (2009)Crosslin,D.R., Hum. Genet. 125 (2), 217-229 (2009)Steinhilber,D., Pharm Acta Helv 69 (1), 3-14 (1994)