

Datasheet for ABIN7603016
anti-ALOX5AP antibody (Middle Region)



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	ALOX5AP
Binding Specificity:	Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ALOX5AP antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-ALOX5AP Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence in the middle region of human ALOX5AP, identical to the related mouse and rat sequences.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-ALOX5AP Antibody Picoband® (ABIN7603016). Tested in WB, ICC/IF, Flow Cytometry applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: ALOX5AP

Alternative Name: ALOX5AP ([ALOX5AP Products](#))

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

Background: This gene encodes 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. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene.

Molecular Weight: 18 kDa

Gene ID: 241

UniProt: [P20292](#)

Application Details

Application Notes: Western blot, 0.25-0.5 µg/mL, Human

Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human

Flow Cytometry (Fixed), 1-3 µg/1×10⁶ cells, Human

1. Dixon, R. A. F., Diehl, R. E., Opas, E., Rands, E., Vickers, P. J., Evans, J. F., Gillard, J. W., Miller, D. K. Requirement of a 5-lipoxygenase-activating protein for leukotriene synthesis. *Nature* 343: 282-284, 1990. 2. Ferguson, A. D., McKeever, B. M., Xu, S., Wisniewski, D., Miller, D. K., Yamin, T.-T., Spencer, R. H., Chu, L., Ujjainwalla, F., Cunningham, B. R., Evans, J. F., Becker, J. W. Crystal structure of inhibitor-bound human 5-lipoxygenase-activating protein. *Science* 317: 510-512, 2007. 3. Kennedy, B. P., Diehl, R. E., Boie, Y., Adam, M., Dixon, R. A. F. Gene characterization and promoter analysis of the human 5-lipoxygenase-activating protein (FLAP). *J. Biol. Chem.* 266: 8511-8516, 1991.

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C, -20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.