



## Arachidonate 5-lipoxygenase Antibody

CATALOG NUMBER: 45-274



Western Blot (0.3ug/ml) staining of Rat Stomach lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

### Specifications

#### SPECIES REACTIVITY:

#### TESTED APPLICATIONS:

<b>APPLICATIONS:</b>	ELISA: antibody detection limit dilution 1:32000. Western Blot: Approx 85kDa band observed in Human Bone Marrow and Rat Stomach lysates (calculated MW of 77.7.0kDa according to rat NP_036954). Recommended concentration: 0.3-1ug/ml.
<b>POSITIVE CONTROL:</b>	1) Cat. No. 1475 - Rat Stomach Tissue Lysate
<b>IMMUNOGEN:</b>	Arachidonate 5-lipoxygenase antibody was raised against a 16 amino acid synthetic peptide near the C-Terminus of Arachidonate 5-lipoxygenase.
<b>HOST SPECIES:</b>	Goat

### Properties

<b>PURIFICATION:</b>	Arachidonate 5-lipoxygenase antibody was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>PHYSICAL STATE:</b>	Liquid
<b>BUFFER:</b>	Arachidonate 5-lipoxygenase antibody is supplied in Tris saline, 0.02% sodium azide, pH 7.3 with 0.5% bovine serum albumin.
<b>CONCENTRATION:</b>	500 ug/mL
<b>STORAGE CONDITIONS:</b>	Aliquot and store at -20°C. Minimize freezing and thawing.
<b>CLONALITY:</b>	Polyclonal
<b>CONJUGATE:</b>	Unconjugated

### Additional Info

<b>ALTERNATE NAMES:</b>	ALOX5, arachidonate 5-lipoxygenase, RP11-67C2.3, 5-LO, 5LPG, LOG5, arachidonic acid 5-lipoxygenase, leukotriene A4 synthase
<b>ACCESSION NO.:</b>	NP_000689.1
<b>PROTEIN GI NO.:</b>	4502057

**OFFICIAL SYMBOL:** ALOX5

**GENE ID:** 240

**Background**

**REFERENCES:** 1) Kalayci O, Birben E, Sackesen C, Keskin O, Tahan F, Wechsler ME, Civelek E, Soyer OU, Adalioglu G, Tuncer A, Israel E, Lilly C. ALOX5 promoter genotype, asthma severity and LTC production by eosinophils. Allergy. 2006 Jan;61(1):97-103.

**FOR RESEARCH USE ONLY**

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