

For Research Use Only

5 Lipoxygenase Polyclonal antibody

Catalog Number: 17298-1-AP



Basic Information

Catalog Number: 17298-1-AP	GenBank Accession Number: NM_000698	Purification Method: Antigen affinity purification
Size: 130 µg/ml	GeneID (NCBI): 240	
Source: Rabbit	UNIPROT ID: P09917	
Isotype: IgG	Full Name: arachidonate 5-lipoxygenase	
	Calculated MW: 78 kDa	
	Observed MW: 78 kDa	

Applications

Tested Applications:
ELISA

Species Specificity:
human, mouse, rat

Background Information

ALOX5 (arachidonate 5-lipoxygenase) is also named as LOG5, 5-LO and belongs to the lipoxygenase family. It catalyzes the first step in leukotriene biosynthesis, and plays a role in inflammatory processes. It is a 78 kDa iron-containing enzyme that translocates from the cytosol to associate with FLAP, and converts arachidonate in two steps into the unstable intermediate LTA₄. It is essential for cysteinyl-leukotriene (cys-LT) production, critical mediators in asthma (PMID:12911785).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

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Selected Validation Data