

## Goat anti-Arachidonate 5-lipoxygenase Antibody

<b>Item Number</b>	dAP-0960
<b>Target Molecule</b>	Principle Name: Arachidonate 5-lipoxygenase; Official Symbol: ALOX5; All Names and Symbols: arachidonate 5-lipoxygenase; RP11-67C2.3; ALOX5; ALOX5; 5-LO; 5LPG; LOG5 ; arachidonic acid 5-lipoxygenase; leukotriene A4 synthase;; Accession Number (s): NP_000689.1; Human Gene ID(s): 240; Non-Human GeneID(s): 11689 (mouse) 25290 (rat)
<b>Immunogen</b>	ERNKKKQLPYYYLSPD, is from C Terminus
<b>Applications</b>	Pep ELISA, WB Species Tested: Human, Rat
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 32000.
<b>Western Blot</b>	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: 0.3-1µg/ml.
<b>IHC</b>	
<b>Reference</b>	Reference(s): 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. .PMID: 16364163 ->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**