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**Research Use Only. Not for
diagnostic or therapeutic use.**

EB07389 - Goat Anti-Arachidonate 5-lipoxygenase Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: arachidonate 5-lipoxygenase, RP11-67C2.3, ALOX5, ALOX5, 5-LO, 5LPG, LOG5, arachidonic acid 5-lipoxygenase, leukotriene A4 synthase

Official Symbol: ALOX5

Accession Number(s): NP_000689.1

Human GeneID(s): [240](#)

Non-Human GeneID(s): 11689 (mouse), 25290 (rat)

Immunogen

Peptide with sequence C-ERNKKKQLPYYYLSPD, from the C Terminus of the protein sequence according to NP_000689.1.

Please note the [peptide](#) is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 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.

Applications Tested

Peptide 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: 0.3-1µg/ml.

Species Reactivity

Tested: Human, Rat

Expected from sequence similarity: Human, Mouse, Rat, Dog



EB07389 (0.3 μ g/ml) staining of Rat Stomach lysate (35 μ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.