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