

Goat anti-ALOX15 Antibody

Item Number	dAP-1686
Target Molecule	Principle Name: ALOX15; Official Symbol: ALOX15; All Names and Symbols: ALOX15; arachidonate 15-lipoxygenase; 15-LOX-1; 15-LOX2; Accession Number (s): NP_001131.3; Human Gene ID(s): 246; Non-Human GenID(s):
Immunogen	HYKTDVAVKDDPE, is from internal region
Applications	Pep ELISA, WB, IHC Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 32000.
Western Blot	Western Blot: Approx. 80kDa band observed in nuclear lysates of cell line HeLa (calculated MW of 74.8kDa according to NP_001131.3). Recommended concentration: 0.2-0.5µg/ml. Primary incubation was 1 hour.
IHC	Immunohistochemistry: Paraffin embedded Human Skeletal Muscle and Kidney. Recommended concentration: 2µg/ml.
Reference	Reference(s): McDuffie M, Maybee NA, Keller SR, Stevens BK, Garmey JC, Morris MA, Kropf E, Rival C, Ma K, Carter JD, Tersey SA, Nunemaker CS, Nadler JL. Nonobese diabetic (NOD) mice congenic for a targeted deletion of 12/15-lipoxygenase are protected from autoimmune diabetes. <i>Diabetes</i> . 2008 Jan;57(1):11-20.

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 end users! This product is sold for **Research Use Only**