

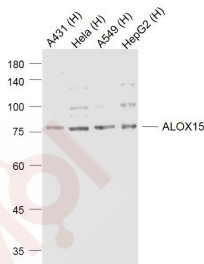
Anti-ALOX15 Polyclonal Antibody 2

Product Details

Ig Type: IgG
Reactivity: Human (predicted:Mouse,Rat)
Molecular Weight: Theoretical: 75 kDa. Actual: 77 kDa.
Purification: Protein A purified

Applications

Sample:
 Lane 1: A431 (Human) Cell Lysate at 30 µg
 Lane 2: Hela (Human) Cell Lysate at 30 µg
 Lane 3: A549 (Human) Cell Lysate at 30 µg
Verified Activity: Lane 4: HepG2 (Human) Cell Lysate at 30 µg
Primary: Anti-ALOX15 (TMAB-00099) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 75 kDa
Observed band size: 77 kDa



Application: IF,IHC-Fr,IHC-P,WB
Recommended IF=1:50-300; IHC-Fr=1:50-300; IHC-P=1:50-300; WB=1:500-1000

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human ALOX15
Antigen Species: Human
Gene ID: 246
Uniprot ID: P16050
Synonyms: 15 LIPOXYGENASE RETICULOCYTE ARACHIDONATE;Arachidonate 15 lipoxygenase;15 lipoxygenase 1;Arachidonate omega 6 lipoxygenase;15LOX 1;LOG15;15 LOX 1;15-LOX;15 LOX; LOX15
Biology Area: Tumor biomarkers,Lipoprotein metabolism,Metabolism,Fatty acids,Lipoprotein metabolism, Fatty acid oxidation,Heart disease,Hormones

Research Background

Lipoxygenases are a family of enzymes which dioxygenate unsaturated fatty acids, thus initiating lipoperoxidation of membranes and synthesis of signaling molecules, as well as inducing structural and metabolic changes in the cell. The Lox enzymes in mammals include 12-LO and 15-LO, which are classified with respect to their positional specificity of the deoxygenation of their most common substrate, arachidonic acid. The metabolism of arachidonic acid leads to the generation of biologically active metabolites that have been implicated in cell growth and proliferation, as well as survival and apoptosis. 15-Lipoxygenase (15-LO) acts in physiological membrane remodeling and the pathogenesis of atherosclerosis, inflammation, and carcinogenesis. It is highly regulated and expressed in a tissue- and cell-type-specific fashion. IL-4 and IL-13 play important roles in transactivating the 15-LO gene. Overexpression of 15-LO type 1 in prostate cancer contributes to the cancer progression by regulating IGF-1R expression and activation.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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