

LOX15 rabbit pAb

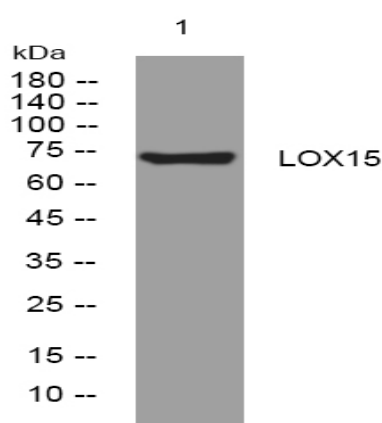
Catalog No :	YT7564
Reactivity :	Human;Rat;Mouse;
Applications :	WB;ELISA;IHC
Target :	LOX15
Fields :	>>Arachidonic acid metabolism;>>Linoleic acid metabolism;>>Metabolic pathways;>>Ferroptosis;>>Necroptosis;>>Serotonergic synapse
Gene Name :	ALOX15 LOG15
Protein Name :	LOX15
Human Gene Id :	246
Human Swiss Prot No :	P16050
Immunogen :	Synthesized peptide derived from human LOX15 AA range: 156-206
Specificity :	This antibody detects endogenous levels of LOX15 at Human
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000;IHC 1:50-300; ELISA 2000-20000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	73kD

Function : catalytic activity:Arachidonate + O(2) = (5Z,8Z,11Z,13E)-(15S)-15-hydroperoxyicos-5,8,11,13-tetraenoate.,cofactor:Binds 1 iron ion per subunit.,function:Converts arachidonic acid to 15S-hydroperoxyeicosatetraenoic acid. Also acts on C-12 of arachidonate as well as on linoleic acid.,pathway:Lipid metabolism; leukotriene D4 biosynthesis.,similarity:Belongs to the lipoxygenase family.,similarity:Contains 1 lipoxygenase domain.,similarity:Contains 1 PLAT domain.,

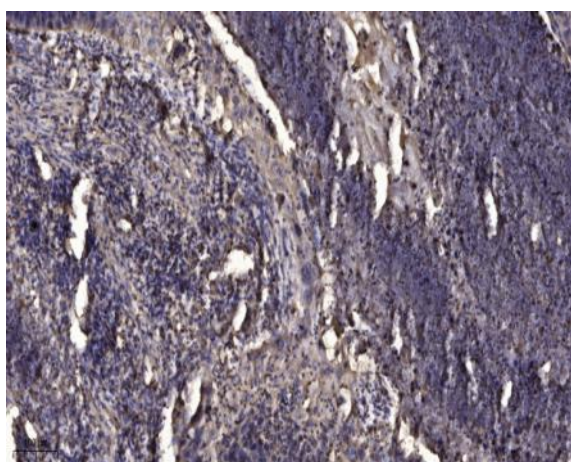
Subcellular Location : Cytoplasm, cytosol . Cell membrane ; Peripheral membrane protein . Lipid droplet . Predominantly cytosolic; becomes enriched at membranes upon calcium binding (By similarity). Translocates from the cytosol to the plasma membrane when stimulated by IL13/interleukin-13 and in macrophages binding apoptotic cells (By similarity). .

Expression : Detected in monocytes and eosinophils (at protein level). Expressed in airway epithelial cells.

Products Images



Western blot analysis of lysates from THP-1 cells, primary antibody was diluted at 1:1000, 4° over night



Immunohistochemical analysis of paraffin-embedded human Squamous cell carcinoma of lung. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).