

## Product datasheet for **CF504250**

### **ALOX15 Mouse Monoclonal Antibody [Clone ID: OTI3G8]**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	OTI3G8
<b>Applications:</b>	IF, IHC, WB
<b>Recommended Dilution:</b>	WB 1:500~2000, IHC 1:150, IF 1:100
<b>Reactivity:</b>	Human, Dog, Rat, Monkey
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG2b
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Full length human recombinant protein of human ALOX15(NP_001131) produced in HEK293T cell.
<b>Formulation:</b>	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
<b>Reconstitution Method:</b>	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
<b>Purification:</b>	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Predicted Protein Size:</b>	74.6 kDa
<b>Gene Name:</b>	Homo sapiens arachidonate 15-lipoxygenase (ALOX15), mRNA.
<b>Database Link:</b>	<a href="#">NP_001131</a> <a href="#">Entrez Gene 81639 RatEntrez Gene 489458 DogEntrez Gene 709212 MonkeyEntrez Gene 246 Human P16050</a>
<b>Synonyms:</b>	12-LOX; 15-LOX-1; 15LOX-1

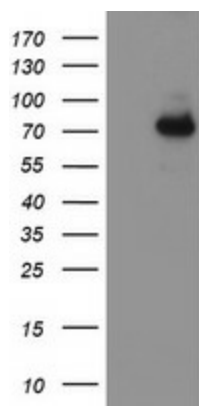


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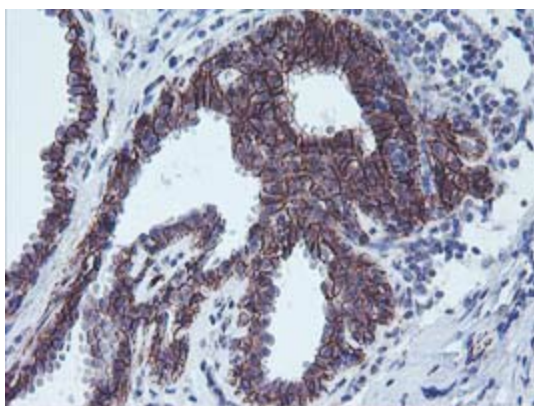
Protein Families: Druggable Genome

Protein Pathways: Arachidonic acid metabolism, Linoleic acid metabolism, Metabolic pathways

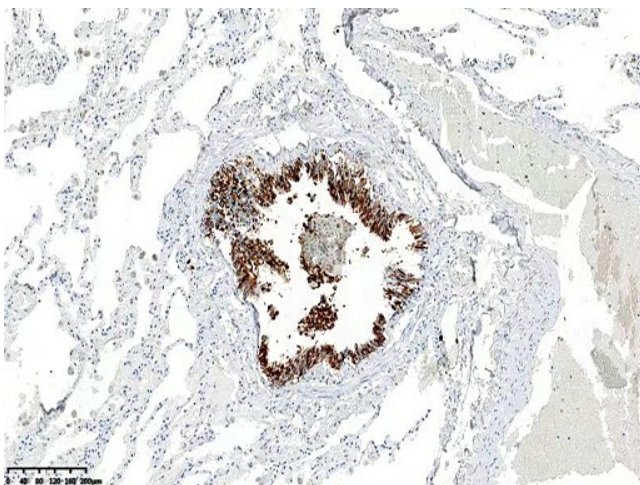
### Product images:



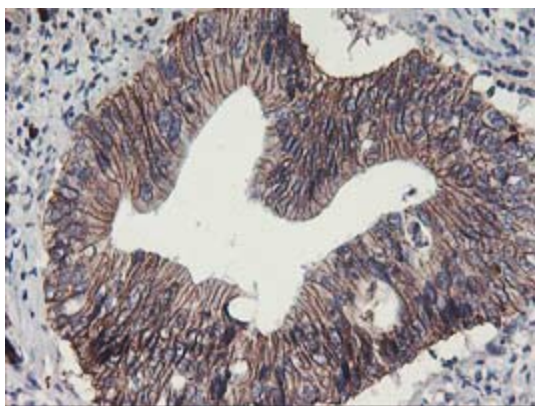
HEK293T cells were transfected with the pCMV6-ENTRY control (left lane) or pCMV6-ENTRY ALOX15 (Cat# [RC206621], right lane) cDNA clone for 48 hrs and lysed. Equivalent amounts of cell lysates (5ug per lane) were separated by SDS-PAGE and immunoblotted with anti-ALOX15 (1:2000).



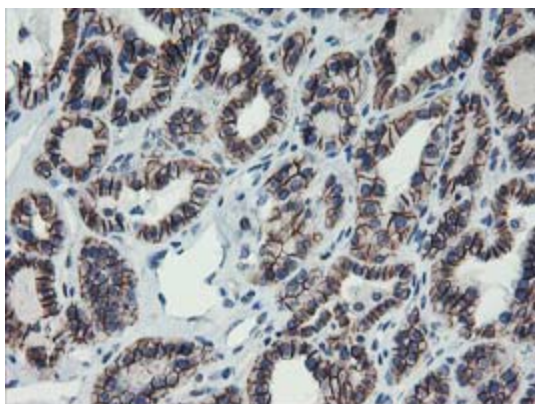
Immunohistochemical staining of paraffin-embedded Human breast tissue within the normal limits using anti-ALOX15 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504250])



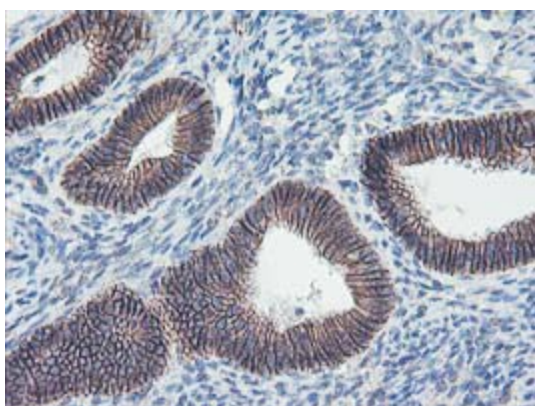
Immunohistochemical staining of paraffin-embedded human lung tissue within the normal limits using anti-ALOX15 mouse monoclonal antibody ([TA504250]). Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3 minutes (1:150).



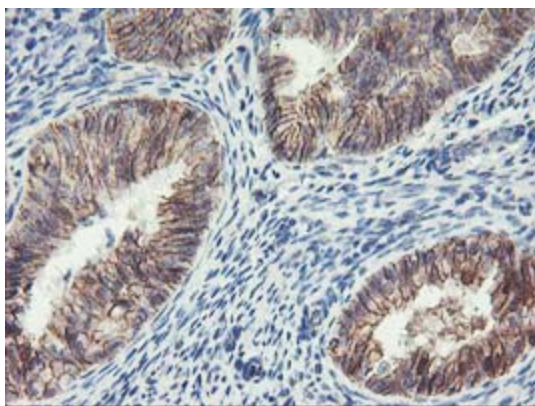
Immunohistochemical staining of paraffin-embedded Carcinoma of Human pancreas tissue using anti-ALOX15 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504250])



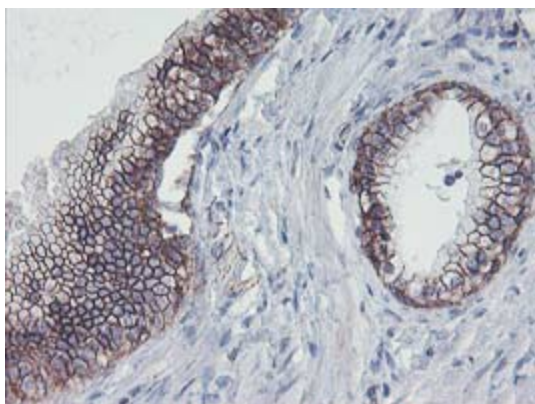
Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-ALOX15 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504250])



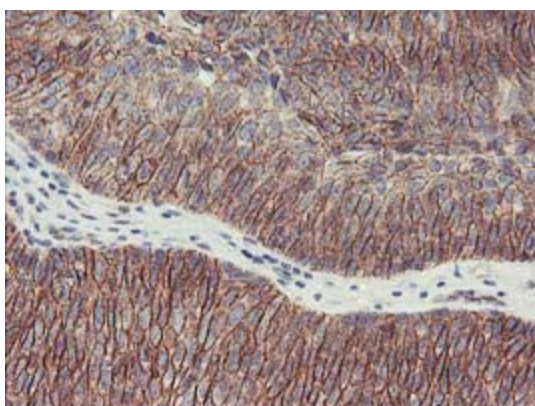
Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-ALOX15 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504250])



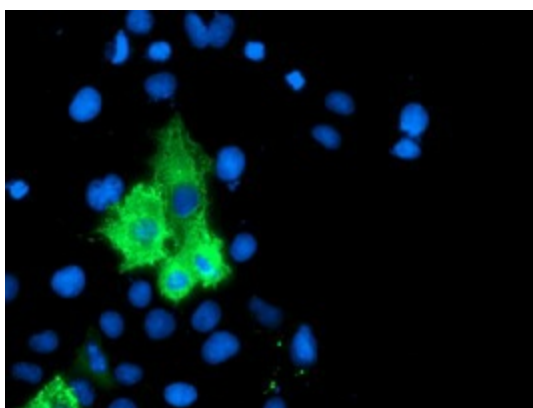
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-ALOX15 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504250])



Immunohistochemical staining of paraffin-embedded Carcinoma of Human prostate tissue using anti-ALOX15 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504250])



Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-ALOX15 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504250])



Anti-ALOX15 mouse monoclonal antibody ([TA504250]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY ALOX15 ([RC206621]).