ALOX5 Antibody

PACO13837

Product Information

Size:

50ul

Reactivity:

Human, Mouse, Rat

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, IHC

Recommended dilutions:

ELISA:1:500-1:2000, IHC:1:25-1:100

Protein Background:

This gene encodes a member of the lipoxygenase gene family and plays a dual role in the synthesis of leukotrienes from arachidonic acid, The encoded protein, which is expressed specifically in bone marrow-derived cells, catalyzes the conversion of arachidonic acid, to 5(S)-hydroperoxy-6-trans-8,11,14-cis-eicosatetraenoic acid, and further to the allylic epoxide 5(S)-trans-7,9-trans-11,14-cis-eicosatetrenoic acid, (leukotriene A4). Leukotrienes are important mediators of a number of inflammatory and allergic conditions. Mutations in the promoter region of this gene lead to a diminished response to antileukotriene drugs used in the treatment of asthma and may also be associated with atherosclerosis and several cancers. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Gene ID:

ALOX5

Uniprot

P09917

Synonyms:

Arachidonate 5-lipoxygenase

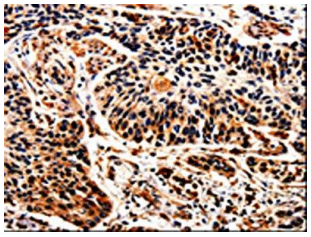
Immunogen:

Fusion protein of human ALOX5.

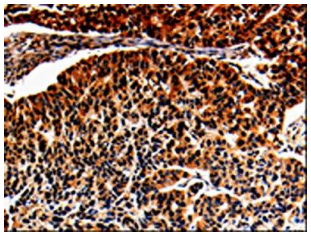
Storage:

-20° C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

Product Images



The image is immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using PACO13837(ALOX5 Antibody) at dilution 1/25. (Original magnification: x—200).



The image is immunohistochemistry of paraffin-embedded Human lung cancer tissue using PACO13837(ALOX5 Antibody) at dilution 1/25. (Original magnification: x—200).