

ALOX5 RABBIT PAB

Cat.#: S216243

Product Name: Anti-ALOX5 Rabbit Polyclonal Antibody

Synonyms: 5-LO, 5LPG, LOG5, 5-LOX

UNIPROT ID: P09917 (Gene Accession - BC130332)

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-eicosatetraenoic 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.

Immunogen: Fusion protein of human ALOX5

Applications: ELISA, IHC

Recommended Dilutions: IHC: 25-100; ELISA: 500-2000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG

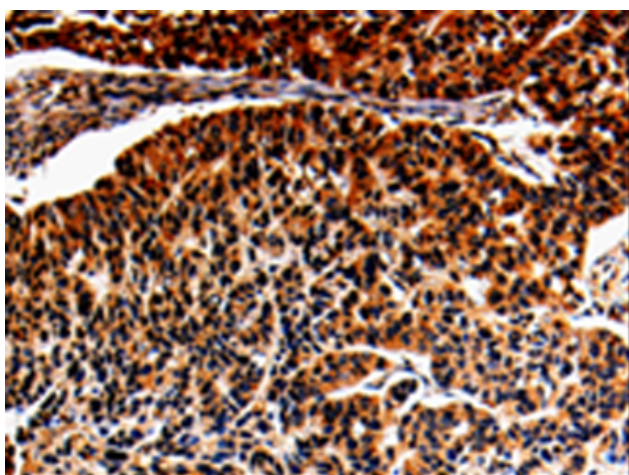
Purification: Antigen affinity purification

Species Reactivity: Human, Mouse, Rat

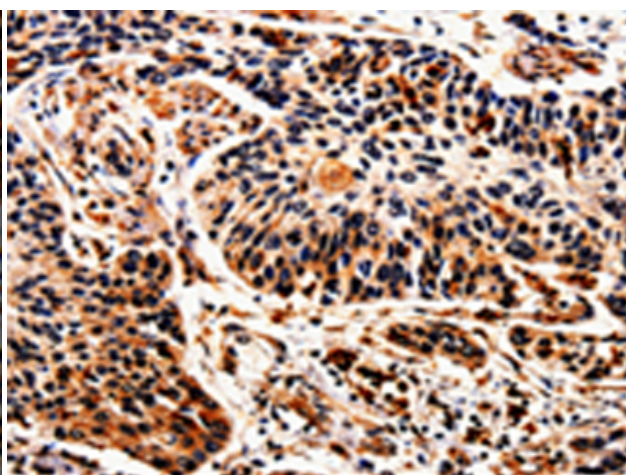
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

Research Areas: Metabolism, Cancer, Cardiovascular

Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



Immunohistochemistry analysis of paraffin-embedded Human lung cancer tissue using 216243(ALOX5 Antibody) at a dilution of 1/25(Cytoplasm).



Immunohistochemistry analysis of paraffin-embedded Human esophagus cancer tissue using 216243(Anti-ALOX5 Antibody) at a dilution of 1/25.



Product Description

Pioneering GTPase and Oncogene Product Development since 2010
