

Anti-ALOX5 Antibody

CATALOG NO.: A1747-100 100 µl.

BACKGROUND DESCRIPTION: 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.

ALTERNATE NAMES: 5 LOX, 5-lipoxygenase, Arachidonate 5 lipoxygenase, arachidonic 5-lipoxygenase delta-10-13 isoform, Leukotriene A4 synthase, MGC163204.

ANTIBODY TYPE: Polyclonal

CONCENTRATION: 0.7 mg/ml

HOST/ISOTYPE: Rabbit / IgG.

IMMUNOGEN: Recombinant protein of human ALOX5.

PURIFICATION: Affinity purification.

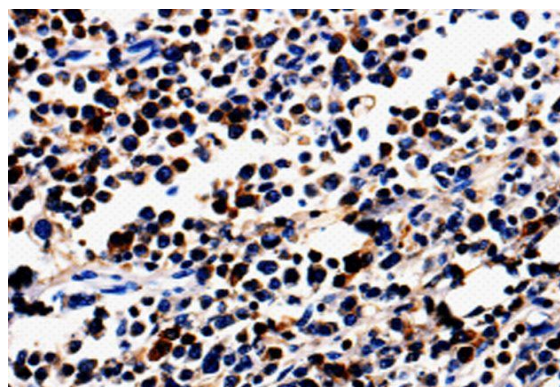
FORM: Liquid.

FORMULATION: PBS with 0.05% sodium azide, 50% glycerol, PH7.3

SPECIES REACTIVITY: Rat.
Mouse.
Human.

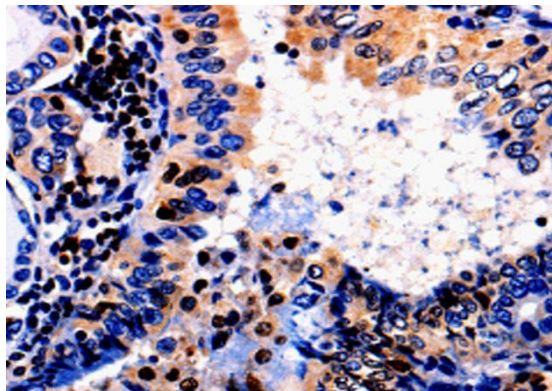
STORAGE CONDITIONS: Store at -20°C. Avoid freeze / thaw cycles.

APPLICATIONS AND USAGE: IHC 1:50-1:150.



: IHC staining of paraffin-embedded Human colon cancer tissue using Anti-ALOX5 Antibody.

03/19



: IHC staining of paraffin-embedded Human thyroid cancer tissue using Anti-ALOX5 Antibody.

RELATED PRODUCTS:

- Phospho-ALOX5 (Ser523) Antibody (A1714).
- Lipoxygenase Activity Assay Kit (Fluorometric) (K978).
- 5-Lipoxygenase Inhibitor Screening Kit (Fluorometric) (K980).
- 5-Lipoxygenase, Active, Human Recombinant (P1373).

FOR RESEARCH USE ONLY! Not to be used on humans.