

Recombinant

DGRmAb®

5 Lipoxygenase (DGR14745) Rabbit mAb (PBS Only)

db15240-PBS

Package : 10µg 100µg

Product Name : 5 Lipoxygenase (DGR14745) Rabbit mAb (PBS Only)**Cat.No.:** db15240-PBS**Synonyms** : 5-LO; 5LPG; LOG5; 5-LOX**Application** : WB, IHC-P, ICC/IF, FC**Reactivity** : Human,Rat**Host species** : Rabbit**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. [provided by RefSeq, Jan 2012]

Immunogen

A synthetic peptide of human 5 Lipoxygenase

Gene ID

240

Swiss Prot

P09917

Synonyms

5-LO; 5LPG; LOG5; 5-LOX

Reactivity

Human,Rat

Application

WB, IHC-P, ICC/IF, FC

Calculated MW

78 kDa

Observed MW

78 kDa

Host species

Rabbit

Clonality

Monoclonal

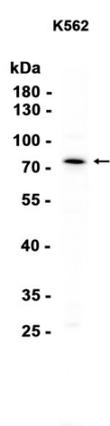
Clonality No.

DGR14745

Isotype

IgG

| | |
|--------------------------|---|
| Purity | Affinity Purification |
| Conjugation | Un-conjugated |
| Concentration | 1 mg/mL |
| Formulation | PBS Only |
| Storage Stability | Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt. |



Western blot analysis of extracts from K562 cells using [db15240](#) at 1:1000.