Recombinant DGRmAb®

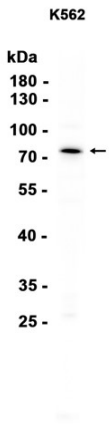
5 Lipoxygenase (DGR14745) Rabbit mAb

db15240 **Package : 10μL 20μL 50μL 100μL**

Product Name : 5 Lipoxygenase (DGR14745) Rabbit mAb
Cat.No.: db15240
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-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. [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
Recommended dilution	WB: 1:1000 IHC-P: 1:100 ICC/IF: 1:100 FC: 1:100
Calculated MW	78 kDa
Observed MW	78 kDa
Host species	Rabbit

Clonality	Monoclonal
Clonality No.	DGR14745
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot analysis of extracts from K562 cells using db15240 at 1:1000.