



Rabbit Anti-FLAP antibody

SL7556R

Product Name:	FLAP
Chinese Name:	5脂氧合酶激活蛋白抗体
Alias:	5-lipoxygenase activating protein; Arachidonate 5 lipoxygenase activating protein; 5-lipoxygenase activating protein; AL5AP_HUMAN; ALOX 5AP; ALOX5 AP; ALOX5AP; Arachidonate 5-lipoxygenase-activating protein; Five lipoxygenase activating protein; FLAP; MK 886 binding protein; MK-886-binding protein.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	18kDa
Cellular localization:	The nucleuscytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human FLAP/5-lipoxygenase activating protein:65-161/161
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Required for leukotriene biosynthesis by ALOX5 (5-lipoxygenase). Anchors ALOX5 to the membrane. Binds arachidonic acid, and could play an essential role in the transfer of arachidonic acid to ALOX5. Binds to MK-886, a compound that blocks the biosynthesis

of leukotrienes.

Involvement in disease: Genetic variations in ALOX5AP may be a cause of susceptibility to ischemic stroke (ISCHSTR) ; also known as cerebrovascular accident or cerebral infarction. A stroke is an acute neurologic event leading to death of neural tissue of the brain and resulting in loss of motor, sensory and/or cognitive function. Ischemic strokes, resulting from vascular occlusion, is considered to be a highly complex disease consisting of a group of heterogeneous disorders with multiple genetic and environmental risk factors.

Function:

Required for leukotriene biosynthesis by ALOX5 (5-lipoxygenase). Anchors ALOX5 to the membrane. Binds arachidonic acid, and could play an essential role in the transfer of arachidonic acid to ALOX5. Binds to MK-886, a compound that blocks the biosynthesis of leukotrienes.

Subunit:

Homotrimer. Interacts with LTC4S and ALOX5.

Subcellular Location:

Nucleus membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane; Multi-pass membrane protein.

DISEASE:

Genetic variations in ALOX5AP may be a cause of susceptibility to ischemic stroke (ISCHSTR) [MIM:601367]; also known as cerebrovascular accident or cerebral infarction. A stroke is an acute neurologic event leading to death of neural tissue of the brain and resulting in loss of motor, sensory and/or cognitive function. Ischemic strokes, resulting from vascular occlusion, is considered to be a highly complex disease consisting of a group of heterogeneous disorders with multiple genetic and environmental risk factors.

Note=Genetic variations in ALOX5AP may be associated with susceptibility to myocardial infarction. Involvement in myocardial infarction is however unclear: according to some authors (PubMed:14770184), a 4-SNP haplotype in ALOX5AP confers risk of myocardial infarction, while according to other (PubMed:17304054) ALOX5AP is not implicated in this condition.

Similarity:

Belongs to the MAPEG family.

SWISS:

P20292

Gene ID:

241

Database links:

[Entrez Gene: 477323](#) Dog

[Entrez Gene: 241](#) Human

[Omim: 603700](#) Human

[SwissProt: Q2PG08](#) Cynomolgus Monkey

[SwissProt: P30353](#) Horse

[SwissProt: P20292](#) Human

[SwissProt: P30354](#) Macaque Monkey

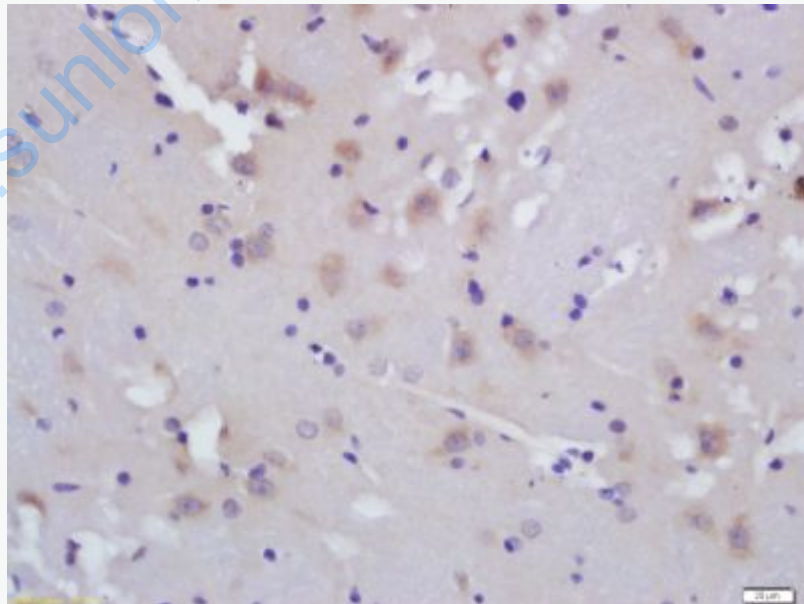
[SwissProt: P30357](#) Rabbit

[Unigene: 507658](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block

endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-FLAP Polyclonal Antibody, Unconjugated(SL7556R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

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