bs-7556R **[Primary Antibody]**

ALOX5AP Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 241 **SWISS:** P20292

Target: ALOX5AP

Immunogen: KLH conjugated synthetic peptide derived from human ALOX5AP: 65-161/161.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: 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.

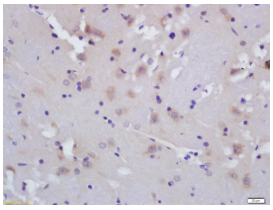
Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

Reactivity: Rat (predicted: Human, Mouse, Rabbit, Pig, Sheep, Cow, Horse)

Predicted MW.: 18 kDa

Subcellular Location: Cell membrane ,Cytoplasm ,Nucleus

VALIDATION IMAGES



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(bs-7556R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

SELECTED CITATIONS

- **[IF=8.78]** Elias, Ivet, et al. "Alox5ap overexpression in adipose tissue leads to LXA4 production and protection against diet-induced obesity and insulin resistance." Diabetes 65.8 (2016): 2139-2150. WB ;Mouse. 27207555
- **[IF=7.27]** Elias et al. ALOX5AP Overexpression in Adipose Tissue Leads to LXA4 Production and Protection Against Diet-

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

Induced Obesity and Insulin Resistance. (2016) Diabetes. 65:2139-50 WB ;Mouse. 27207555

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