

## Product datasheet for **AP05297SU-N**

### FLAP (ALOX5AP) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western blot (1-5 µg).
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide derived from Human FLAP protein
Specificity:	This antibody detects FLAP. Cellular Localization: Nucleus membrane. Endoplasmic reticulum membrane.
Formulation:	PBS with 0.08% Sodium Azide as preservative State: Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Ammonium Sulfate Precipitation
Conjugation:	Unconjugated
Storage:	Store the antibody (in aliquots) at -20°C. Can be shipped at 2-8 °C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	arachidonate 5-lipoxygenase activating protein
Database Link:	<a href="#">Entrez Gene 241 Human P20292</a>



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**Background:**

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.

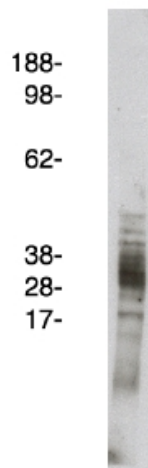
Required for leukotriene biosynthesis by ALOX5 (5-lipoxygenase). Anchors ALOX5 to the membrane. Binds arachidonic acid, and could play an essential role in the transfer of arachidonic acid to ALOX5. Binds to MK-886, a compound that blocks the biosynthesis of leukotrienes.

**Synonyms:**

MK-886-binding protein

**Note:**

**Predicted Molecular Weight:** 18 kDa

**Product images:**

Western blot using FLAP antibody (. at 5 ug/ml) on Human kidney cell lysate (15 ug/Lane). Secondary antibody: Mouse anti-Rabbit HRP at 1/25k dilution. Visualized using Pierce West Femto substrate system. Exposure for 5 minutes