

## Product datasheet for **AP23824PU-N**

### FLAP (ALOX5AP) (28-40) Goat Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	<b>ELISA:</b> 1/128000. <b>Immunohistochemistry on Paraffin Sections:</b> 3.75 µg/ml. <b>Western Blot:</b> 1/128000, 0.1 - 0.3 µg/ml.
Reactivity:	Canine, Human, Monkey
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Synthetic peptide from an internal region of Human ALOX5AP / FLAP (NP_001620.2)
Specificity:	This antibody recognizes the internal region of ALOX5AP.
Formulation:	Tris saline buffer, pH 7.3 containing 0.5% BSA as stabilizer and 0.02% Sodium Azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Immunoaffinity Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody at -20°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.

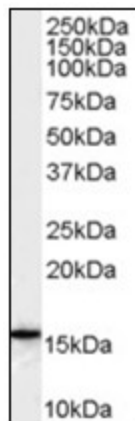
Required for leukotriene biosynthesis by ALOX5 (5-lipoxygenase). Anchors ALOX5 to the membrane. Binds arachidonic acid, and could play an essential role in the transfer of arachidonic acid to ALOX5. Binds to MK-886, a compound that blocks the biosynthesis of leukotrienes.

**Synonyms:**

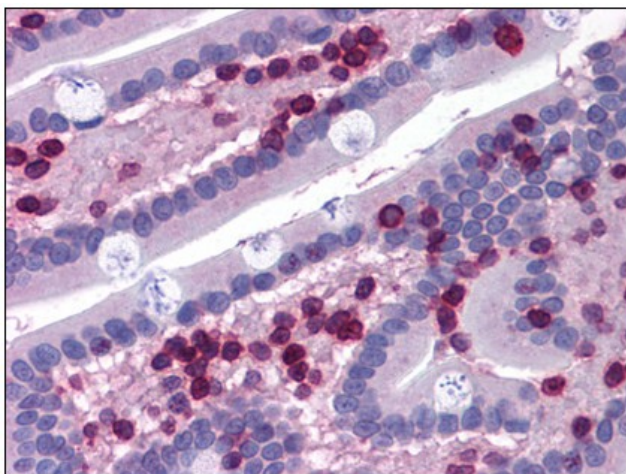
MK-886-binding protein

**Protein Families:**

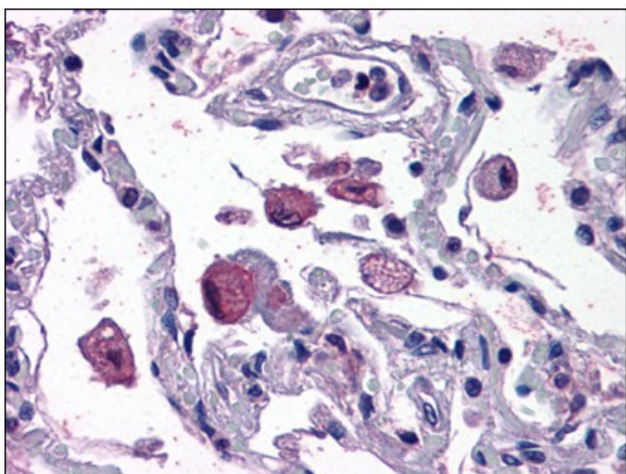
Druggable Genome, Transmembrane

**Product images:**

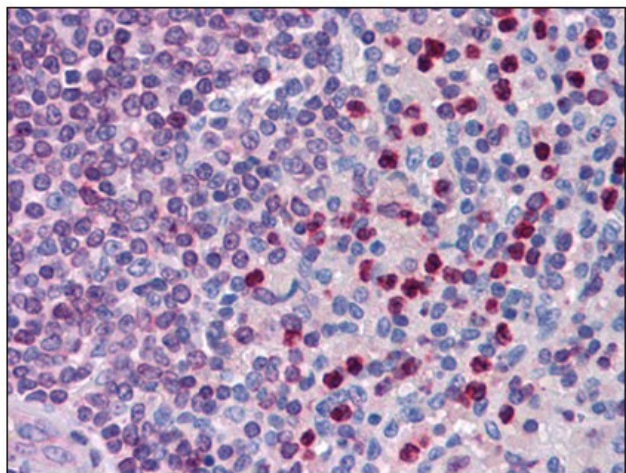
Antibody (0.1 ug/ml) staining of Human U937 cell lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Human Small Intestine: Formalin-Fixed, Paraffin-Embedded (FFPE)



Human Lung: Formalin-Fixed, Paraffin-Embedded (FFPE)



Human Spleen: Formalin-Fixed, Paraffin-Embedded (FFPE)