

## Product datasheet for **AP50153PU-N**

### 15 Lipoxygenase 2 (ALOX15B) (C-term) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	<b>ELISA:</b> 1/1000. <b>Western blotting:</b> 1/50 - 1/100. <b>Immunohistochemistry:</b> 1/50 - 1/100.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 605~634 amino acids from the C-terminal region of human ALOX15B
Specificity:	this antibody reacts to ALOX15B.
Formulation:	PBS containing 0.09% (W/V) sodium azide as preservative State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Affinity chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	arachidonate 15-lipoxygenase, type B
Database Link:	<a href="#">Entrez Gene 247 Human</a> <a href="#">O15296</a>



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**Background:** ALOX15B encodes a member of the lipoxygenase family of structurally related nonheme iron dioxygenases involved in the production of fatty acid hydroperoxides. The encoded protein converts arachidonic acid exclusively to 15S-hydroperoxyeicosatetraenoic acid, while metabolizing linoleic acid less effectively. This gene is located in a cluster of related genes and a pseudogene that spans approximately 100 kilobases on the short arm of chromosome 17.

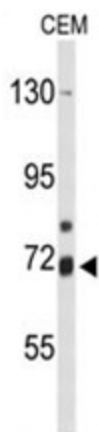
**Synonyms:** 15-LOX-2, Arachidonate 15-lipoxygenase type II

**Note:** **Molecular Weight:** 75885 Da

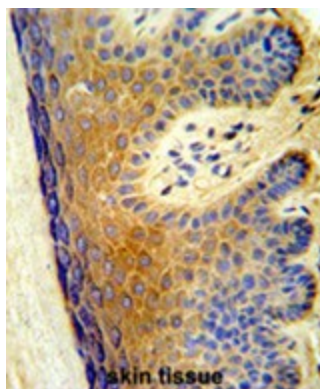
**Protein Families:** Druggable Genome

**Protein Pathways:** Arachidonic acid metabolism, Metabolic pathways

### Product images:



Western blot analysis of ALOX15B Antibody (C-term) in CEM cell line lysates (35ug/lane). ALOX15B (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human skin tissue reacted with PSMD13 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.