

Product datasheet for **TA346276**

15 Lipoxygenase 2 (ALOX15B) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-ALOX15B antibody: synthetic peptide directed towards the middle region of human ALOX15B. Synthetic peptide located within the following region: CHYLPKNFPVTDAMVASVLGPGTSLQAELEKGSFLVDHGILSGIQTNVI
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	72 kDa
Gene Name:	arachidonate 15-lipoxygenase, type B
Database Link:	NP_001034219 Entrez Gene 247 Human O15296



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Background:	ALOX15B is a member of the lipoxygenase family of structurally related nonheme iron dioxygenases involved in the production of fatty acid hydroperoxides. The protein converts arachidonic acid exclusively to 15S-hydroperoxyeicosatetraenoic acid, while metabolizing linoleic acid less effectively. This gene 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. Alternatively spliced transcript variants encoding different isoforms have been described.
Synonyms:	15-LOX-2
Note:	Immunogen Sequence Homology: Pig: 100%; Rat: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Dog: 93%; Horse: 93%; Guinea pig: 93%; Rabbit: 86%
Protein Families:	Druggable Genome
Protein Pathways:	Arachidonic acid metabolism, Metabolic pathways

Product images:

WB Suggested Anti-ALOX15B Antibody Titration:
0.2-1 ug/ml; ELISA Titer: 1: 62500; Positive
Control: Human brain