

### **Product datasheet for TA346276**

# OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

# 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:

CHYLPKNFPVTDAMVASVLGPGTSLQAELEKGSLFLVDHGILSGIQTNVI

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

**Purification:** Affinity Purified

Conjugation: Unconjugated

**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

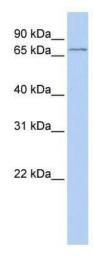
Note: Immunogen Sequence Homology: Pig: 100%; Rat: 100%; Human: 100%; Mouse: 100%; Bovine:

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