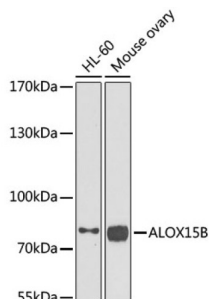
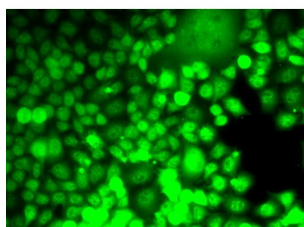


# Polyunsaturated Fatty Acid Lipoygenase ALOX15B (ALOX15B) Antibody

Catalogue No.: abx005232



Western blot analysis of extracts of various cell lines using ALOX15B Antibody (1/1000 dilution).



Immunofluorescence analysis of MCF7 cells using ALOX15B Antibody

ALOX15B Antibody is a Rabbit Polyclonal antibody against ALOX15B. This gene encodes a member of the lipoygenase 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.

**Target:** Polyunsaturated Fatty Acid Lipoygenase ALOX15B (ALOX15B)

**Clonality:** Polyclonal

**Reactivity:** Human, Mouse

**Tested Applications:** WB, IF/ICC

**Host:** Rabbit

**Recommended dilutions:** WB: 1/500 - 1/2000, IF/ICC: 1/50 - 1/200. Optimal dilutions/concentrations should be determined by the end user.

**Conjugation:** Unconjugated

**Immunogen:** Recombinant fusion protein corresponding to human ALOX15B

**Isotype:** IgG

# Datasheet

Version: 5.0.0  
Revision date: 04 May 2025



|                            |                                                                                                                                            |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Form:</b>               | Liquid                                                                                                                                     |
| <b>Purification:</b>       | Purified by affinity chromatography.                                                                                                       |
| <b>Storage:</b>            | Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.                                                                             |
| <b>UniProt Primary AC:</b> | O15296 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )                                                                                |
| <b>Gene Symbol:</b>        | ALOX15B                                                                                                                                    |
| <b>GeneID:</b>             | <a href="#">247</a>                                                                                                                        |
| <b>NCBI Accession:</b>     | NP_001132.2                                                                                                                                |
| <b>KEGG:</b>               | hsa:247                                                                                                                                    |
| <b>String:</b>             | <a href="#">9606.ENSP00000369530</a>                                                                                                       |
| <b>Molecular Weight:</b>   | Calculated MW: 67 kDa/69 kDa/72 kDa/75 kDa<br>Observed MW: 76 kDa                                                                          |
| <b>Buffer:</b>             | PBS, pH 7.3, containing 0.02% sodium azide, 50% glycerol.                                                                                  |
| <b>Concentration:</b>      | 1 mg/ml                                                                                                                                    |
| <b>Note:</b>               | THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION. |