

## Product datasheet for **AP50152PU-N**

### **ALOX12B (C-term) Rabbit Polyclonal Antibody**

#### **Product data:**

|                       |  |
|-----------------------|--|
| Product Type:         | Primary Antibodies   |
| Applications:         | FC, IHC, WB  |
| Recommended Dilution: | <b>ELISA:</b> 1/1000.<br><b>Western blotting:</b> 1/100 - 1/500.<br><b>Immunohistochemistry:</b> 1/50 - 1/100.<br><b>Flow Cytometry:</b> 1/10 - 1/50.  |
| Reactivity:           | Human  |
| Host:                 | Rabbit   |
| Isotype:              | Ig   |
| Clonality:            | Polyclonal   |
| Immunogen:            | KLH conjugated synthetic peptide between 629-660 amino acids from the C-terminal region of human ALOX12B   |
| Specificity:          | This antibody reacts to ALOX12B.   |
| Formulation:          | PBS containing 0.09% (W/V) sodium azide as preservative<br>State: Aff - Purified<br>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.<br>Avoid repeated freezing and thawing.  |
| Stability:            | Shelf life: one year from despatch.  |
| Gene Name:            | arachidonate 12-lipoxygenase, 12R type   |
| Database Link:        | <a href="#">Entrez Gene 242 Human</a><br><a href="#">O75342</a>  |
| Background:           | This gene encodes an enzyme involved in the conversion of arachidonic acid to 12R-hydroxyeicosatetraenoic acid. Mutations in this gene are associated with nonbullous congenital ichthyosiform erythroderma. |



[View online »](#)

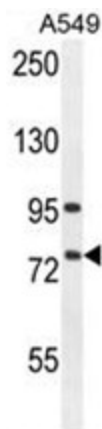
**Synonyms:** 12R-lipoxygenase, 12R-LOX

**Note:** **Molecular Weight:** 80356 Da

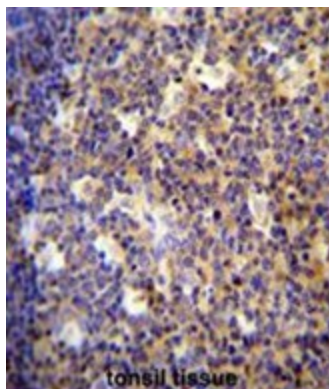
**Protein Families:** Druggable Genome

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

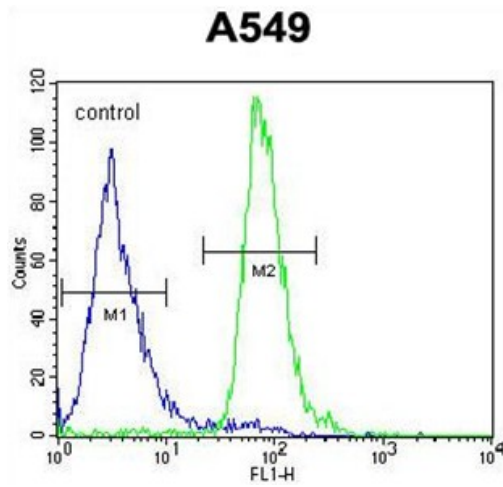
**Product images:**



ALOX12B Antibody (C-term) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the ALOX12B antibody detected the ALOX12B protein (arrow).



ALOX12B antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human tonsil tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of ALOX12B antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



ALOX12B Antibody (C-term) flow cytometric analysis of A549 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.