

## Product datasheet

# Anti-CysLT1 antibody - N-terminal ab151484

[6 References](#) [2 Images](#)

### Overview

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|                            |   |
|----------------------------|---|
| <b>Product name</b>        | Anti-CysLT1 antibody - N-terminal   |
| <b>Description</b>         | Rabbit polyclonal to CysLT1 - N-terminal  |
| <b>Host species</b>        | Rabbit  |
| <b>Tested applications</b> | <b>Suitable for:</b> WB, IHC-P  |
| <b>Species reactivity</b>  | <b>Reacts with:</b> Human   |
| <b>Immunogen</b>           | Synthetic peptide, corresponding to a region within N-terminal amino acids 1-45 of Human CysLT1 (Uniprot ID:Q9Y271).<br><a href="#">Run BLAST with Expasy</a> <a href="#">Run BLAST with NCBI</a>   |
| <b>Positive control</b>    | 293T, HeLa S3 and HepG2 whole cell lysates, U373 xenograft  |
| <b>General notes</b>       | <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p> |

### Properties

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|                             |   |
|-----------------------------|---|
| <b>Form</b>                 | Liquid  |
| <b>Storage instructions</b> | Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.  |
| <b>Storage buffer</b>       | pH: 7.00<br>Preservative: 0.01% Thimerosal (merthiolate)<br>Constituents: 1.21% Tris, 0.75% Glycine, 10% Glycerol (glycerin, glycerine) |
| <b>Purity</b>               | Immunogen affinity purified   |
| <b>Clonality</b>            | Polyclonal  |
| <b>Isotype</b>              | IgG   |

### Applications

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## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab151484 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes  |
|-------------|-----------|--|
| WB          |           | 1/500 - 1/3000. Predicted molecular weight: 39 kDa.  |
| IHC-P       |           | 1/100 - 1/1000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. |

## Target

### Function

Receptor for cysteinyl leukotrienes mediating bronchoconstriction of individuals with and without asthma. Stimulation by LTD4 results in the contraction and proliferation of smooth muscle, edema, eosinophil migration and damage to the mucus layer in the lung. This response is mediated via a G-protein that activates a phosphatidylinositol-calcium second messenger system. The rank order of affinities for the leukotrienes is LTD4 >> LTE4 = LTC4 >> LTB4.

### Tissue specificity

Widely expressed, with highest levels in spleen and peripheral blood leukocytes. Lower expression in several tissues, such as lung (mostly in smooth muscle bundles and alveolar macrophages), placenta, small intestine, pancreas, colon and heart.

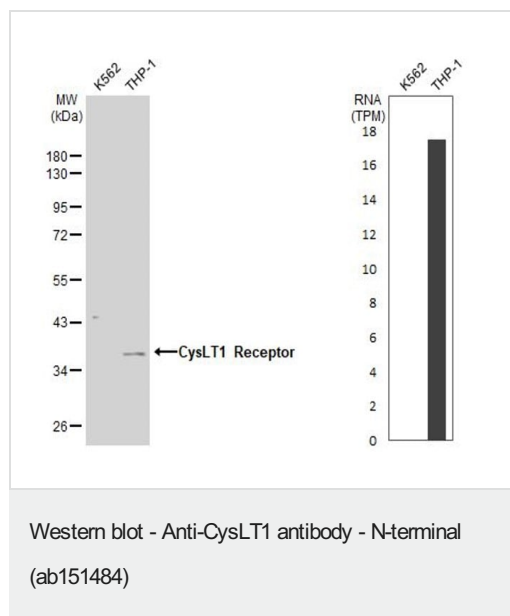
### Sequence similarities

Belongs to the G-protein coupled receptor 1 family.

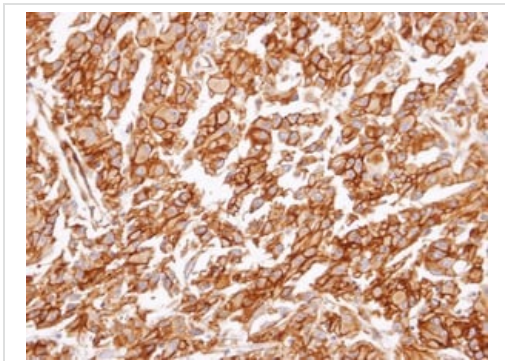
### Cellular localization

Cell membrane.

## Images



Various whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with Anti-CysLT1 antibody - N-terminal (ab151484) diluted at 1/500. A HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody, and the signal was developed with Trident ECL plus-Enhanced. Corresponding RNA expression data for the same cell lines are based on Human Protein Atlas program.



Immunohistochemical analysis of paraffin embedded U373 xenograft labeling CysLT1 with ab151484 antibody at 1/100.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CysLT1 antibody - N-terminal (ab151484)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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