




Product datasheet

Anti-15 Lipoxygenase 1 antibody ab80495

[1 Image](#)

Overview

Product name	Anti-15 Lipoxygenase 1 antibody
Description	Goat polyclonal to 15 Lipoxygenase 1
Host species	Goat
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human Predicted to work with: Orangutan 
Immunogen	Synthetic peptide: C-HYKTDVAVKDDPE , corresponding to internal sequence amino acids 482-494 of Human 15 Lipoxygenase 1 (NP_001131.3). <div>  Run BLAST with  Run BLAST with </div>
Positive control	Nuclear HeLa cell lysate and whole Hela lysate.
General notes	<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&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 0.5% BSA, 0.5% Tris buffered saline
Purity	Immunogen affinity purified
Purification notes	ab80495 is purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Clonality	Polyclonal

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab80495 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		

Application notes

Peptide ELISA: antibody detection limit dilution 1/32000.

WB: Use at a concentration of 0.2 - 0.5 µg/ml. Detects a band of approximately 80 kDa (predicted molecular weight: 73 kDa).

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

Target

Function

Converts arachidonic acid to 15S-hydroperoxyeicosatetraenoic acid. Also acts on C-12 of arachidonate as well as on linoleic acid.

Pathway

Lipid metabolism; leukotriene D4 biosynthesis.

Sequence similarities

Belongs to the lipoxygenase family.

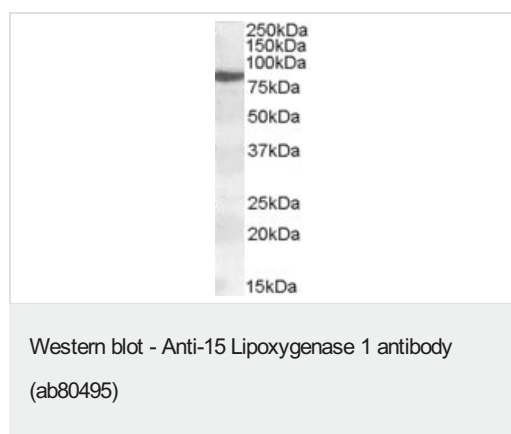
Contains 1 lipoxygenase domain.

Contains 1 PLAT domain.

Cellular localization

Cytoplasm.

Images



Anti-15 Lipoxygenase 1 antibody (ab80495) at 0.2 µg/ml + nuclear HeLa cell lysate (in RIPA buffer) at 35 µg

Predicted band size: 73 kDa

Observed band size: 80 kDa

Primary incubation was 1 hour.

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

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