



Product datasheet

Anti-Lactoferrin antibody ab77548

[1 References](#) [1 Image](#)

Overview

Product name	Anti-Lactoferrin antibody
Description	Goat polyclonal to Lactoferrin
Host species	Goat
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide: C-ENYKSQQSSDPDP , corresponding to internal sequence amino acids 432-444 of Human Lactoferrin (NP_002334.2).  Run BLAST with  Run BLAST with
Positive control	WB: Human Peripheral Blood Mononucleocyte 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 repeated 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	ab77548 is purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunising peptide.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab77548 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		Use a concentration of 0.05 - 0.2 µg/ml. Detects a band of approximately 85 kDa. A 1 hour primary incubation is recommended for this product.
IHC-P		Use a concentration of 2 - 4 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

Function

Transferrins are iron binding transport proteins which can bind two Fe(3+) ions in association with the binding of an anion, usually bicarbonate.

Lactotransferrin has antimicrobial activity which depends on the extracellular cation concentration. Lactoferrins A, B and C have opioid antagonist activity. Lactoferrin A shows preference for mu-receptors, while lactoferrin B and C have somewhat higher degrees of preference for kappa-receptors than for mu-receptors.

The lactotransferrin transferrin-like domain 1 functions as a serine protease of the peptidase S60 family that cuts arginine rich regions. This function contributes to the antimicrobial activity.

Sequence similarities

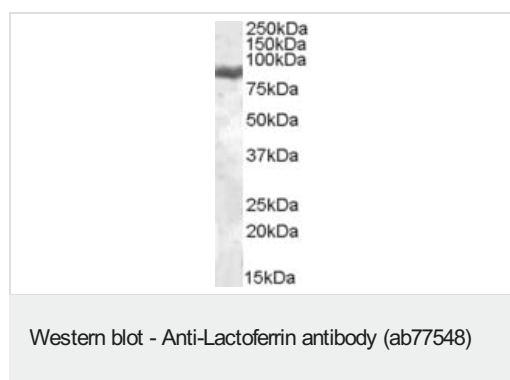
Belongs to the transferrin family.

Contains 2 transferrin-like domains.

Cellular localization

Secreted.

Images



Anti-Lactoferrin antibody (ab77548) at 0.05 µg/ml + Human

Peripheral Blood Mononucleocyte lysate (in RIPA buffer) at 35 µg

Observed band size: 85 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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