

Product datasheet

Anti-CD272/BTLA antibody ab181406

[2 References](#) [3 Images](#)

Overview

Product name	Anti-CD272/BTLA antibody
Description	Rabbit polyclonal to CD272/BTLA
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB, ICC/IF
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide corresponding to Human CD272/BTLA (internal sequence). Peptide corresponds to 17 amino acids near the center. (NP_861445) Database link: Q7Z6A9
Positive control	Jurkat cell lyate and Human small intestine tissue.
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. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.02% Sodium azide Constituent: 99% PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab181406 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
IHC-P		Use a concentration of 2.5 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		Use a concentration of 1 - 2 µg/ml. Detects a band of approximately 40 kDa (predicted molecular weight: 33 kDa).
ICC/IF		Use a concentration of 20 µg/ml.

Target

Function

Lymphocyte inhibitory receptor which inhibits lymphocytes during immune response.

Sequence similarities

Contains 1 Ig-like V-type (immunoglobulin-like) domain.

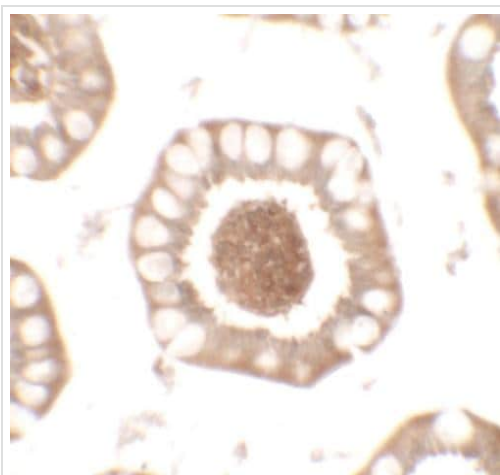
Post-translational modifications

Phosphorylated on Tyr residues by TNFRSF14 and by antigen receptors cross-linking, both inducing association with PTPN6 and PTPN11.
N-glycosylated.

Cellular localization

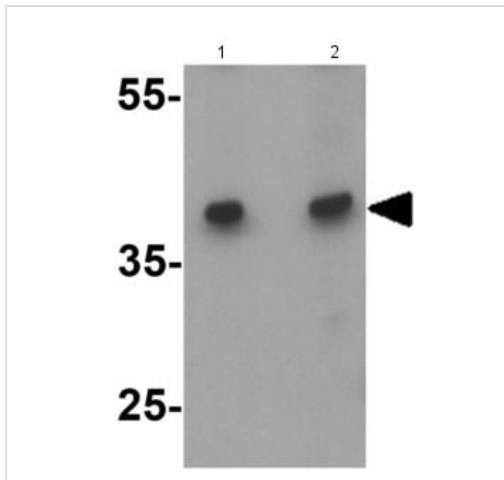
Membrane.

Images



Immunohistochemical analysis of paraffin-embedded Human small intestine tissue, labeling CD272/BTLA using ab181406 at 2.5 µg/mL.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD272/BTLA antibody (ab181406)



Western blot - Anti-CD272/BTLA antibody
(ab181406)

Lane 1 : Anti-CD272/BTLA antibody (ab181406) at 1 $\mu\text{g/ml}$

Lane 2 : Anti-CD272/BTLA antibody (ab181406) at 2 $\mu\text{g/ml}$

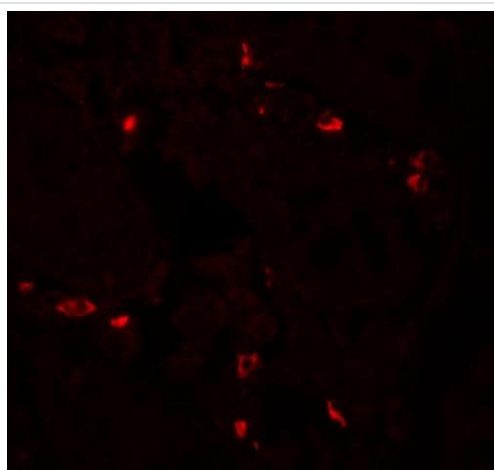
All lanes : Jurkat cell lysate

Lysates/proteins at 15 μg per lane.

Developed using the ECL technique.

Predicted band size: 33 kDa

Observed band size: 40 kDa



Immunocytochemistry/ Immunofluorescence - Anti-
CD272/BTLA antibody (ab181406)

Immunofluorescence analysis of Human small intestine tissue,
labeling CD272/BTLA using ab181406 at 20 $\mu\text{g/mL}$.

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

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- Response to your inquiry within 24 hours
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- Extensive multi-media technical resources to help you

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