

Product datasheet

Anti-TRAIL antibody ab42243

2 Images

Overview

Product name	Anti-TRAIL antibody
Description	Rabbit polyclonal to TRAIL
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB Unsuitable for: ICC/IF
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide derived from within residues 50 - 150 of Human TRAIL. Read Abcam's proprietary immunogen policy (Peptide available as ab42242 .)
Positive control	This antibody gave a positive signal in the following whole cell lysate: A549 (Human lung adenocarcinoma epithelial cell line);

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 or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.02% Sodium Azide Constituents: 1% BSA, PBS, pH 7.4
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab42243** 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 1 µg/ml. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

Application	Abreviews	Notes
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WB		Use a concentration of 1 µg/ml. Detects a band of approximately 35 kDa (predicted molecular weight: 32 kDa).
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Application notes		Is unsuitable for ICC/IF.
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Target

Function		Cytokine that binds to TNFRSF10A/TRAILR1, TNFRSF10B/TRAILR2, TNFRSF10C/TRAILR3, TNFRSF10D/TRAILR4 and possibly also to TNFRSF11B/OPG. Induces apoptosis. Its activity may be modulated by binding to the decoy receptors TNFRSF10C/TRAILR3, TNFRSF10D/TRAILR4 and TNFRSF11B/OPG that cannot induce apoptosis.
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Tissue specificity		Widespread; most predominant in spleen, lung and prostate.
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Sequence similarities		Belongs to the tumor necrosis factor family.
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Cellular localization		Membrane.
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Images



Western blot - TRAIL antibody (ab42243)

Anti-TRAIL antibody (ab42243) at 1 µg/ml +
A549 whole cell lysate (ab7910) at 10 µg

Secondary

IRDye 680 Conjugated Goat Anti-Rabbit IgG
(H+L) at 1/10000 dilution

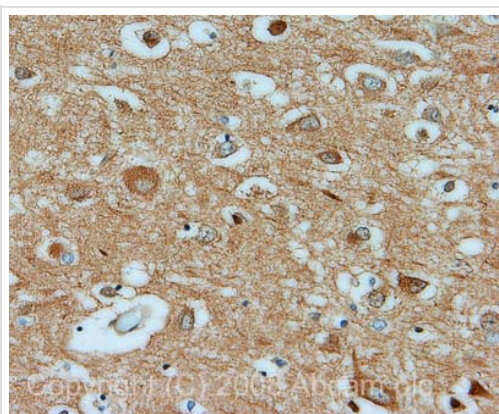
Performed under reducing conditions.

Predicted band size: 32 kDa

Observed band size: 35 kDa

Additional bands at: 55 kDa. We are unsure
as to the identity of these extra bands.

ab42243 gives a positive signal in A549 at 35 kDa. This antibody has also been tested in western blot in HeLa and Jurkat whole cell lysates and detects bands at 50 and 95 kDa. In our hands this product does not give a signal in Human spleen or prostate tissue lysates in western blot (data not shown). Abcam welcomes customer feedback and would appreciate any comments regarding this product and the data presented above.



Immunohistochemistry (Formalin/PFA-fixed paraffin-
embedded sections) - TRAIL antibody (ab42243)

IHC image of TRAIL staining in human hippocampus FFPE section, performed on a Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab42243, 1 µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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