

## Product datasheet

# Anti-TRAIL antibody ab42243

2 Images

### Overview

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

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	Preservative: 0.02% Sodium Azide Constituents: 1% BSA, PBS, pH 7.4
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

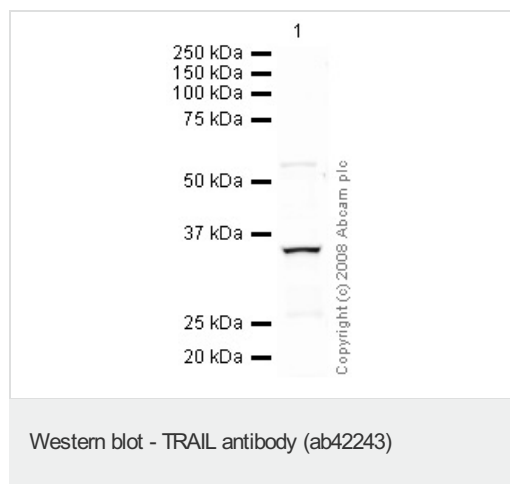
Our [Abpromise guarantee](#) covers the use of **ab42243** in the following tested applications.

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
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 35 kDa (predicted molecular weight: 32 kDa).
<b>Application notes</b>		Is unsuitable for ICC/IF.
<b>Target</b>		
<b>Function</b>		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.
<b>Tissue specificity</b>		Widespread; most predominant in spleen, lung and prostate.
<b>Sequence similarities</b>		Belongs to the tumor necrosis factor family.
<b>Cellular localization</b>		Membrane.

## Images



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

### Secondary

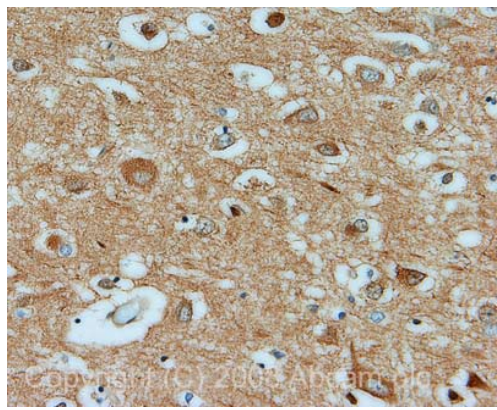
IRDye 680 Conjugated Goat Anti-Rabbit IgG  
(H+L) at 1/10000 dilution

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.



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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