

Product datasheet

Anti-TNF Receptor I antibody ab223352

5 Images

Overview

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<b>Product name</b>	Anti-TNF Receptor I antibody
<b>Description</b>	Rabbit polyclonal to TNF Receptor I
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> ICC/IF, WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human <b>Predicted to work with:</b> Rat 
<b>Immunogen</b>	Synthetic peptide corresponding to Mouse TNF Receptor I aa 20-43. Sequence: MGIHPSGVTGLVPSLGDREKRDSL  Database link: <a href="#">P25118</a>  <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>
<b>Positive control</b>	WB: Mouse liver lysate. ICC/IF: HeLa (human epithelial cell line from cervix adenocarcinoma) and HaCaT (human keratinocyte cell line) cells. IHC: Mouse back skin.

Properties

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<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 long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.09% Sodium azide Constituents: 50% Glycerol, PBS
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

Applications

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Our [Abpromise guarantee](#) covers the use of **ab223352** in the following tested applications.

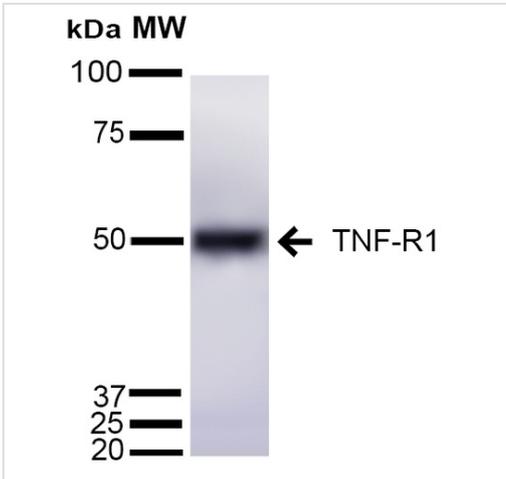
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		1/100.
WB		1/1000. Predicted molecular weight: 50.5 kDa.
IHC-P		1/100.

## Target

<b>Function</b>	Receptor for TNFSF2/TNF-alpha and homotrimeric TNFSF1/lymphotoxin-alpha. The adapter molecule FADD recruits caspase-8 to the activated receptor. The resulting death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation which initiates the subsequent cascade of caspases (aspartate-specific cysteine proteases) mediating apoptosis. Contributes to the induction of non-cytocidal TNF effects including anti-viral state and activation of the acid sphingomyelinase.
<b>Involvement in disease</b>	Familial hibernian fever Multiple sclerosis 5
<b>Sequence similarities</b>	Contains 1 death domain. Contains 4 TNFR-Cys repeats.
<b>Domain</b>	The domain that induces A-SMASE is probably identical to the death domain. The N-SMASE activation domain (NSD) is both necessary and sufficient for activation of N-SMASE. Both the cytoplasmic membrane-proximal region and the C-terminal region containing the death domain are involved in the interaction with TRPC4AP.
<b>Post-translational modifications</b>	The soluble form is produced from the membrane form by proteolytic processing.
<b>Cellular localization</b>	Cell membrane. Golgi apparatus membrane. Secreted. A secreted form is produced through proteolytic processing and Secreted. Lacks a Golgi-retention motif, is not membrane bound and therefore is secreted.

## Images



Western blot - Anti-TNF Receptor I antibody (ab223352)

Anti-TNF Receptor I antibody (ab223352) at 1/1000 dilution + mouse liver lysate at 15 µg

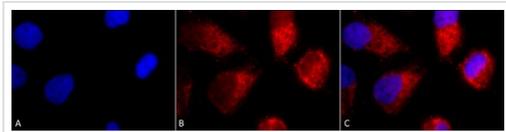
**Secondary**

Goat anti-rabbit IgG-HRP at 1/2000 dilution

**Predicted band size:** 50.5 kDa

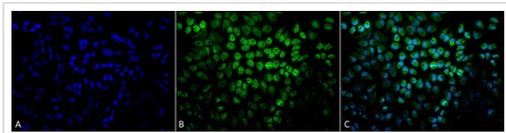
Blocking: 5% skimmed milk in 1X TBST.

Primary incubation: 2 hours at room temperature



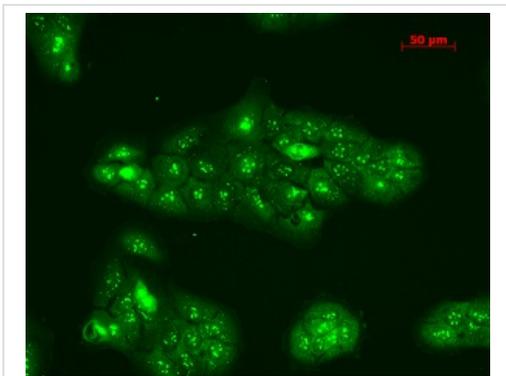
Immunocytochemistry/ Immunofluorescence - Anti-TNF Receptor I antibody (ab223352)

2% formaldehyde fixed HeLa (human epithelial cell line from cervix adenocarcinoma) cells stained for TNF Receptor I (red) using ab223352 at a dilution of 1/100 in ICC/IF (panel B). The secondary antibody is APC Goat Anti-Rabbit used at 1/200 dilution. The nuclear counter stain is DAPI (blue)(panel A). The merged images are shown in panel C.



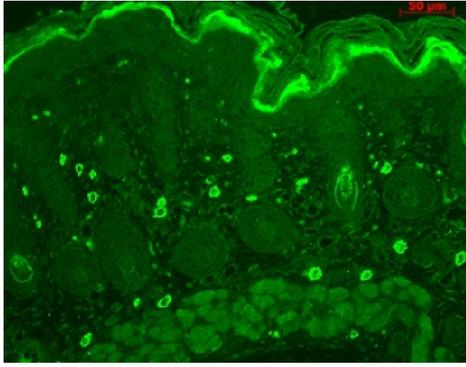
Immunocytochemistry/ Immunofluorescence - Anti-TNF Receptor I antibody (ab223352)

2% formaldehyde fixed HeLa (human epithelial cell line from cervix adenocarcinoma) cells stained for TNF Receptor I (green) using ab223352 at a dilution of 1/100 in ICC/IF (panel B). The secondary antibody is FITC Goat Anti-Rabbit used at 1/200 dilution. The nuclear counter stain is DAPI (blue)(panel A) used at 1/40,000 dilution. The merged images are shown in panel C.



Immunocytochemistry/ Immunofluorescence - Anti-TNF Receptor I antibody (ab223352)

Methanol-fixed HaCaT (human keratinocyte cell line) cells stained for TNF Receptor I (green) using ab223352 at a dilution of 1/100 in ICC/IF. The secondary antibody is FITC Goat Anti-Rabbit at a 1/50 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TNF Receptor I antibody (ab223352)

Sections of mouse back skin were stained for TNF Receptor I with ab223352 at a dilution of 1/100 in immunohistochemical analysis.

The secondary antibody was FITC Goat Anti-Rabbit (green) at a 1/50 dilution.

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

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