

Product datasheet

Anti-TIM 4 antibody ab47637

[6 References](#) [5 Images](#)

Overview

Product name	Anti-TIM 4 antibody
Description	Rabbit polyclonal to TIM 4
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF, IHC-P
Species reactivity	Reacts with: Mouse, Human
Immunogen	Synthetic peptide corresponding to Human TIM 4 (internal sequence). A 16 aminoacid synthetic peptide from near the center of human TIM 4 Database link: Q96H15
Positive control	Jurkat whole cell lysate (ab7899)
General notes	<p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.</p> <p>In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications & species that this product has been "predicted to work with," however this information is not covered by our Abpromise guarantee.</p> <p>Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.</p> <p>Please check that this product meets your needs before purchasing. 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, as well as customer reviews and Q&As.</p>

Properties

Form	Liquid
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Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	pH: 7.2 Preservative: 0.02% Sodium azide Constituent: PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab47637** in the following tested applications.

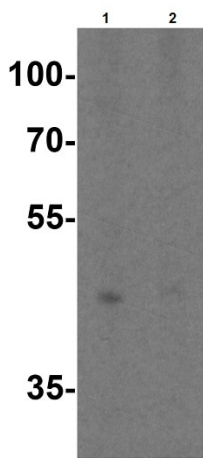
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 2 µg/ml. Predicted molecular weight: 42 kDa.
ICC/IF		Use a concentration of 10 - 20 µg/ml.
IHC-P		Use a concentration of 2 µg/ml.

Target

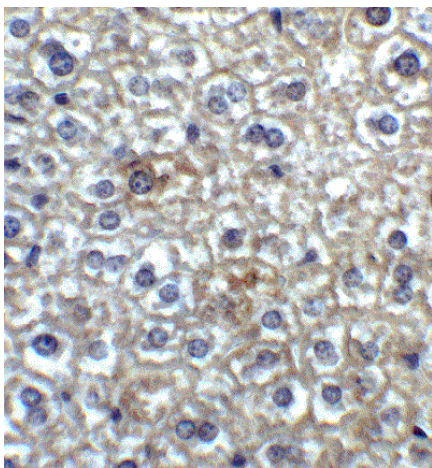
Function	Phosphatidylserine receptor that enhances the engulfment of apoptotic cells. Involved in regulating T-cell proliferation and lymphotoxin signaling. Ligand for HAVCR1/TIMD1.
Sequence similarities	Belongs to the immunoglobulin superfamily. TIM family. Contains 1 Ig-like V-type (immunoglobulin-like) domain.
Domain	Recognizes phosphatidyl serine via its immunoglobulin domain.
Cellular localization	Membrane.

Images



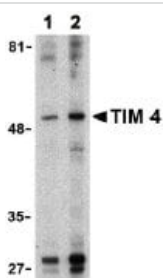
Western blot - Anti-TIM 4 antibody (ab47637)

Western Blot of RAW264.7 cell lysate labeling TIM 4 with Anti-TIM 4 antibody (ab47637) at 2 μ g/ml in (1) the absence and (2) the presence of blocking peptide.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TIM 4 antibody (ab47637)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) of mouse liver tissue staining TIM 4 with ab47637 at 2 μ g/ml



Western blot - Anti-TIM 4 antibody (ab47637)

Lane 1 : Anti-TIM 4 antibody (ab47637) at 1 μ g/ml

Lane 2 : Anti-TIM 4 antibody (ab47637) at 2 μ g/ml

All lanes : Jurkat cell lysate

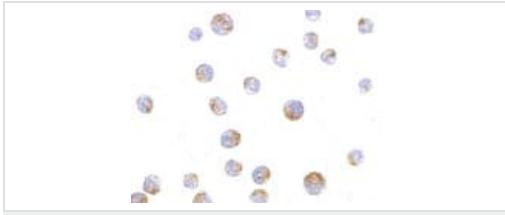
Lysates/proteins at 15 μ g per lane.

Predicted band size: 42 kDa

Observed band size: 50 kDa

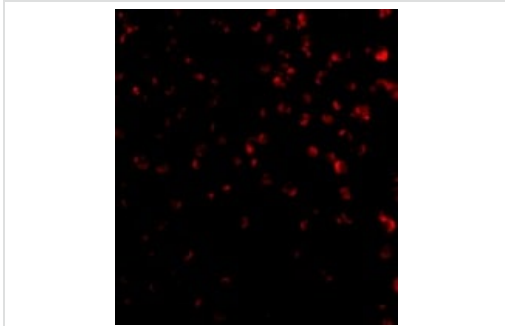
[why is the actual band size different from the predicted?](#)

Additional bands at: 27 kDa, 30 kDa, 75 kDa. We are unsure as to the identity of these extra bands.



ab47637 at 10µg/ml staining TIM 4 in Jurkat cells by ICC/IF

Immunocytochemistry/ Immunofluorescence - Anti-TIM 4 antibody (ab47637)



Immunofluorescence of TIM-4 in Jurkat cells using ab47637 at 20 ug/ml.

Immunocytochemistry/ Immunofluorescence - Anti-TIM 4 antibody (ab47637)

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

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