**Anti-TIM 1 antibody ab47635**

**Product name**
Anti-TIM 1 antibody

**Description**
Rabbit polyclonal to TIM 1

**Host species**
Rabbit

**Tested applications**
Suitable for: ICC/IF, WB, IHC-P

**Species reactivity**
Reacts with: Mouse, Human

**Immunogen**
A 16 amino acid peptide from near the amino terminus of human TIM 1.

**Positive control**
WB: A431, A549, CaCo-2, Daudi, HEK-293, HeLa, HepG2, K562, MCF-7, Jurkat, SK-N-SH, NIH/3T3, and THP-1 cell lysates.

**Properties**

**Form**
Liquid

**Storage instructions**
Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C. Avoid freeze / thaw cycle.

**Storage buffer**
Preservative: 0.02% Sodium azide
Constituent: PBS

**Purity**
Immunogen affinity purified

**Clonality**
Polyclonal

**Isotype**
IgG

**Applications**

Our Abpromise guarantee covers the use of ab47635 in the following tested applications.

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

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<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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<tr>
<td>ICC/IF</td>
<td></td>
<td>Use a concentration of 5 µg/ml.</td>
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<tr>
<td>WB</td>
<td></td>
<td>Use a concentration of 1 - 8 µg/ml. Predicted molecular weight: 39 kDa. Overnight incubation at 4°C is recommended.</td>
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</table>
Function: May play a role in T-helper cell development and the regulation of asthma and allergic diseases. Receptor for TIMD4 (By similarity). In case of human hepatitis A virus (HHAV) infection, functions as a cell-surface receptor for the virus. May play a role in kidney injury and repair.

Tissue specificity: Widely expressed, with highest levels in kidney and testis. Expressed by activated CD4+ T-cells during the development of helper T-cells responses.

Sequence similarities: Belongs to the immunoglobulin superfamily. TIM family. Contains 1 Ig-like V-type (immunoglobulin-like) domain.

Cellular localization: Membrane.

Images:

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<td>IHC-P</td>
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<td>Use a concentration of 10 µg/ml.</td>
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Target

All lanes: Anti-TIM 1 antibody (ab47635) at 8 µg/ml

Lane 1: HEK-293 (human epithelial cell line from embryonic kidney) cell lysate
Lane 2: A431 (human epidermoid carcinoma cell line) cell lysate
Lane 3: A549 (human lung carcinoma cell line) cell lysate
Lane 4: CaCo-2 (human colorectal adenocarcinoma cell line) cell lysate
Lane 5: Daudi (human Burkitt's lymphoma cell line) cell lysate
Lane 6: HeLa (human epithelial cell line from cervix adenocarcinoma) cell lysate
Lane 7: HepG2 (human liver hepatocellular carcinoma cell line) cell lysate
Lane 8: K562 (human chronic myelogenous leukemia cell line from bone marrow) cell lysate
Lane 9: MCF7 (human breast adenocarcinoma cell line) cell lysate
Lane 10: Jurkat (human T cell leukemia cell line from peripheral blood) cell lysate
Lane 11: SK-N-SH (human neuroblastoma cell line) cell lysate
Lane 12: THP-1 (human monocyctic leukemia cell line) cell lysate

Lysates/proteins at 15 µg per lane.

Secondary

All lanes: Goat Anti-rabbit IgG (HRP) at 1/10000 dilution
Predicted band size: 39 kDa
Observed band size: 60 kDa
why is the actual band size different from the predicted?

Diluting buffer and concentration: 5% NFDM/TBST.
Primary incubated overnight at 4°C.

Ab47635 at 5μg/ml staining TIM1 in normal human kidney tissue section by Immunohistochemistry (IHC-P-Formalin/PFA fixed paraffin-embedded sections).

Anti-TIM 1 antibody (ab47635) at 8 μg/ml + NIH/3T3 (mouse embryo fibroblast cell line) cell lysate at 15 μg

Secondary
Goat Anti-rabbit IgG (HRP) at 1/10000 dilution

Predicted band size: 39 kDa
Observed band size: 44 kDa why is the actual band size different from the predicted?

Diluting buffer and concentration: 5% NFDM/TBST.
Primary incubated overnight at 4°C.
Ab47635 at 5μg/ml staining TIM1 in human kidney carcinoma tissue section by Immunohistochemistry (IHC-P-Formalin/PFA fixed paraffin-embedded sections).

ICC/IF image of ab47635 stained HeLa cells. The cells were 4% formaldehyde (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab47635, 5μg/ml) overnight at +4°C. The secondary antibody (green) was for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43μM.

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

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