

Rabbit anti-Human, Mouse TIM-1 Polyclonal Antibody | anti-HAVCR1 antibody

TIM-1 Antibody

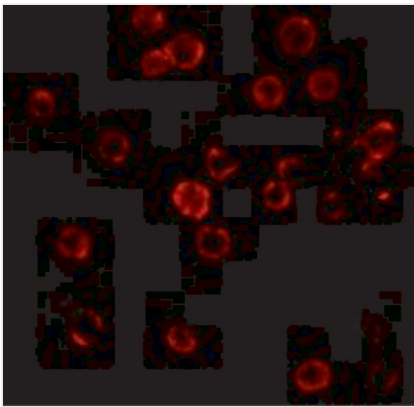
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA10935	Rabbit	Human, Mouse	ELISA, Western Blot, Immunohistochemistry, Immunofluorescence

PRODUCT SYNONYMS

TIM-1; Polyclonal Antibody; TIM-1 Antibody; TIM; KIM1; TIM1; HAVCR; KIM-1; TIMD1; TIMD-1; HAVCR-1; Hepatitis A virus cellular receptor 1; Kidney injury molecule 1; HAVcr-1; hepatitis A virus cellular receptor 1; anti-HAVCR1 antibody

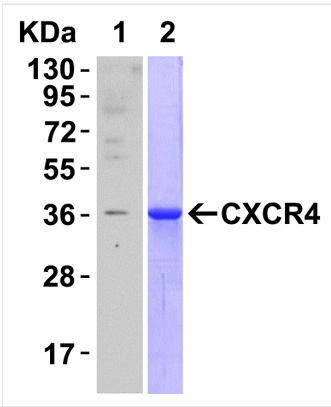
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	TIM-1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	364
Applicable Applications for anti-HAVCR1 antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	TIM-1 antibody can be used for the detection of TIM-1 by Western blot at 1 - 2 mug/mL. Antibody can also be used for immunohistochemistry starting at 10 mug/mL. For immunofluorescence start at 20 mug/mL. Knockdown (Knockout, KO validated) Antibody
Conjugate	Unconjugated
Immunogen	TIM-1 antibody was raised against a 16 amino acid synthetic peptide from near the amino terminus of human TIM-1.
Buffer	TIM-1 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	Antibody can be stored at 4 degree C up to one year. Antibodies should not be exposed to prolonged high temperatures.



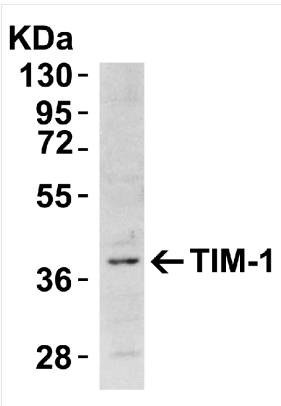
IHC (Immunohistochemistry)

Figure 5 Immunohistochemistry Validation of TIM-1 Immunohistochemical analysis of paraffin-embedded human uterus tissue using anti-TIM-1 antibody (3809) at 10 μg/ml. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4˚ C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.



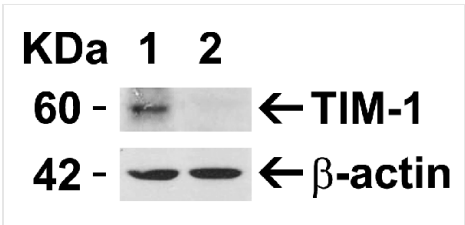
IF (Immunofluorescence)

Figure 5 Immunofluorescence Validation of TIM-1 Immunofluorescent analysis of 4% paraformaldehyde-fixed human uterus cells labeling TIM-1 with 3809 at 20 μg/mL, followed by goat anti-rabbit IgG secondary antibody at 1/500 dilution (red). Image showing both membrane and cytoplasmic staining on human uterus cells.



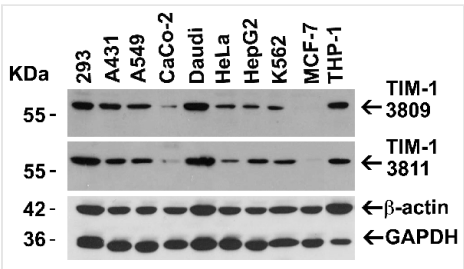
WB (Western Blot)

Figure 4 Western Blot Validation in the Mouse Cell Line Loading: 15 μg of NIH/3T3 cell lysates. Antibodies: TIM-1 3809 (8 μg/mL), overnight incubation at 4˚ C in 5% NFDm/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



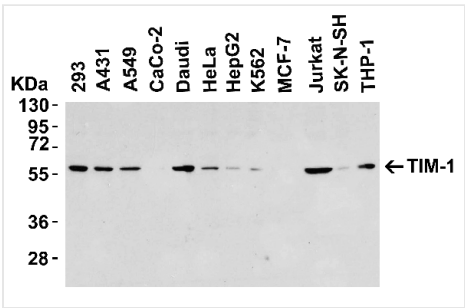
WB (Western Blot)

Figure 3 Validation with TIM-1 siRNA Knockdown HeLa cells were transfected with control siRNAs (lane 1) or TIM-1 siRNAs (lane 2) Loading: 15 μg of HeLa whole cell lysates per lane. Antibodies: 3809 (8 μg/mL), 1 h incubation at RT in 5% NFDm/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



WB (Western Blot)

Figure 2 Independent Antibody Validation (IAV) via Protein Expression Profile in Cell Lines Loading: 15 μg of lysates per lane. Antibodies: TIM-1 3809 (8 μg/mL), TIM-1 3811 (1 μg/mL), beta-actin (1 μg/mL), and GAPDH (0.02 μg/mL), overnight incubation at 4˚ C (3809) or 1h incubation at RT in 5% NFDm/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



WB (Western Blot)

Figure 1 Western Blot Validation in Human Cell Lines Loading: 15 μg of lysates per lane. Antibodies: TIM-1 3809 (8 μg/mL), overnight incubation at 4˚ C in 5% NFDm/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-HAVCR1 antibody	TIM-1 Antibody: The human form of TIM-1 was initially discovered as a membrane glycoprotein through which the hepatitis A virus can gain entry into a cell. It was also identified as kidney injury molecule 1 (Kim-1), a predicted adhesion molecule that is upregulated on the surfaces of kidney epithelia. It is also expressed on T helper 2 (Th2) cells of the immune system, and following the binding of its natural ligand TIM-4, stimulates T cell expansion and cytokine production in response to viral challenge. It has been suggested that hyperactivation of TIM-1 leads to an increased level of Th2 responsiveness and asthma susceptibility, and antibodies to TIM-1 may therefore be a novel approach to treating asthma.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	153085427
NCBI GeneID	26762
NCBI Accession #	NP_036338
NCBI GenBank Nucleotide #	NM_012206.2
UniProt Accession #	Q96D42; O43656
Molecular Weight	40 kDa
NCBI Official Full Name	hepatitis A virus cellular receptor 1
NCBI Official Synonym Full Names	hepatitis A virus cellular receptor 1
NCBI Official Symbol	HAVCR1
NCBI Official Synonym Symbols	TIM; KIM1; TIM1; HAVCR; KIM-1; TIM-1; TIMD1; TIMD-1; HAVCR-1
NCBI Protein Information	hepatitis A virus cellular receptor 1; kidney injury molecule 1; T-cell membrane protein 1; T-cell immunoglobulin mucin receptor 1; T-cell immunoglobulin mucin family member 1; T cell immunoglobulin domain and mucin domain protein 1
UniProt Protein Name	Hepatitis A virus cellular receptor 1
UniProt Gene Name	HAVCR1
UniProt Synonym Gene Names	KIM1; TIM1; TIMD1; HAVcr-1; KIM-1; TIMD-1; TIM; TIM-1
UniProt Entry Name	HAVR1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/tim-1-antibody-western-blot-immunohistochemistry-immunofluorescence-elisa/10935>