

Rabbit anti-Mouse, rat TIM-1 Polyclonal Antibody | anti-TIM-1 antibody

TIM-1 Antibody

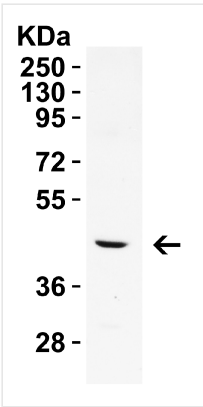
CATALOG # AAA41015	HOST Rabbit	REACTIVITY Mouse, rat	APPLICATIONS Western Blot, ELISA
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PRODUCT SYNONYMS

TIM-1; Polyclonal Antibody; TIM-1 Antibody; anti-TIM-1 antibody

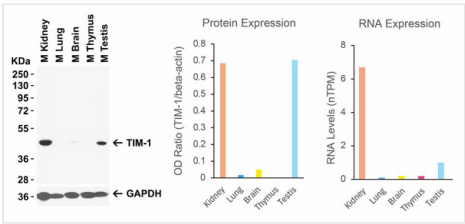
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, rat
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)
Applicable Applications for anti-TIM-1 antibody	WB (Western Blot), ELISA
Immunogen	Anti-TIM-1 antibody (9927) was raised against a peptide corresponding to 16 amino acids near the amino terminus of mouse TIM-1. The immunogen is located within amino acids 50 - 100 of TIM-1.
Isoform	Mouse TIM-1 has 3 isoforms, including isoform a precursor (305aa, 33kD), isoform b precursor (282aa, 31kD) and isoform b (282aa, 31kD). Rat TIM-1 has only one isoform identified so far (307aa, 34kD).
Buffer	TIM-1 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	TIM-1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.



WB (Western Blot)

Figure 2. WB Validation in Rat Liver Loading: 15 µg of rat liver lysate Antibodies: TIM-1 9927, 2 µg/mL, 1 h incubation at RT in 5% NFDm/TBST. Secondary: Goat Anti-Rabbit IgG HRP conjugate at 1:10000 dilution.



Application Data

Figure 1. Relative Expression Validation of TIM-1 in Mouse Tissues Loading: 15 µg of mouse tissue lysate of each lane Antibodies: TIM-1 9927, 2 µg/mL, 1 h incubation at RT in 5% NFDm/TBST. Secondary: Goat Anti-Rabbit IgG HRP conjugate at 1:10000 dilution. TIM-1 antibody (9927) detected high expression levels of TIM-1 in the mouse kidney and testis, while showing very low or no expression in the lung, brain and thymus. This pattern aligns with the RNA expression data for these tissues in human, as reported by Human Protein Atlas.

ADDITIONAL INFORMATION

Related Product Information for anti-TIM-1 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.
Product Categories/Family for anti-TIM-1 antibody	Immunology; Neuroscience; Signal Transduction; Growth Factors
References	Feigelsstock et al. J. Virol. 1998; 72:6621-8

NCBI AND UNIPROT INFORMATION

NCBI GI #	73919878
UniProt Accession #	Q5QNS5

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-elisa/41015>