

Rabbit anti-Mouse, Rat Tim 2/Timd2 Polyclonal Antibody | anti-TIMD2 antibody

Anti-Tim 2/Timd2 Antibody Picoband

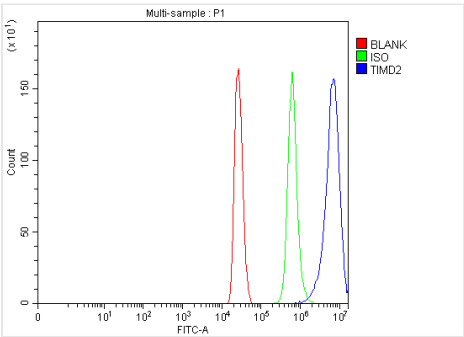
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126665	Rabbit	Mouse, Rat	Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

Tim 2/Timd2; Polyclonal Antibody; Anti-Tim 2/Timd2 Antibody Picoband; anti-TIMD2 antibody

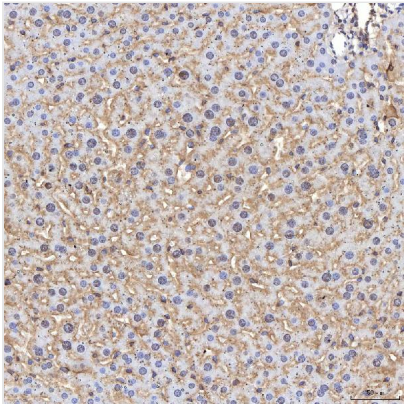
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-TIMD2 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	A synthetic peptide corresponding to a sequence of mouse Tim 2/Timd2 (KKVVERTRCEDQVYIIEDTPYEE).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



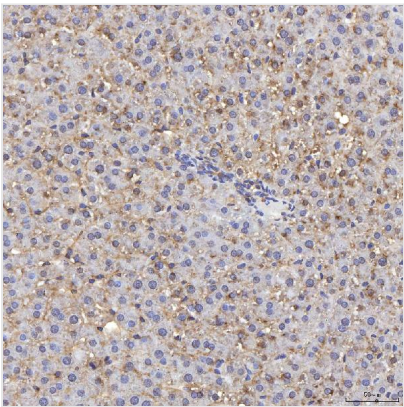
FCM/FACS (Flow Cytometry)

Figure 4. Flow Cytometry analysis of HEPA1-6 cells using anti-Tim 2/Timd2 antibody (AAA126665).Overlay histogram showing HEPA1-6 cells stained with AAA126665 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-Tim 2/Timd2 Antibody (AAA126665, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



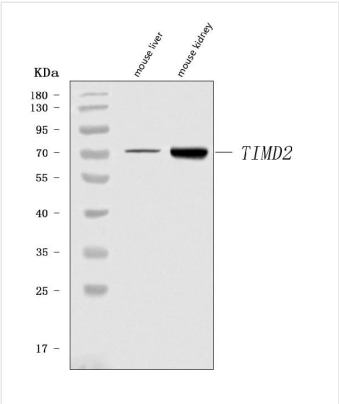
IHC (Immunohistochemistry)

Figure 2. IHC analysis of Tim 2/Timd2 using anti-Tim 2/Timd2 antibody (AAA126665).Tim 2/Timd2 was detected in a paraffin-embedded section of mouse liver tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-Tim 2/Timd2 Antibody (AAA126665) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 3. IHC analysis of Tim 2/Timd2 using anti-Tim 2/Timd2 antibody (AAA126665).Tim 2/Timd2 was detected in a paraffin-embedded section of rat liver tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-Tim 2/Timd2 Antibody (AAA126665) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



WB (Western Blot)

Figure 1. Western blot analysis of Tim 2/Timd2 using anti-Tim 2/Timd2 antibody (AAA126665).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: mouse liver tissue lysates,Lane 2: mouse kidney tissue lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Tim 2/Timd2 antigen affinity purified polyclonal antibody (#AAA126665) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for Tim 2/Timd2 at approximately 70 kDa. The expected band size for Tim 2/Timd2 is at 34 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-TIMD2 antibody	Enables ferritin receptor activity. Acts upstream of or within iron ion transport. Located in cell surface. Is expressed in 4-cell stage embryo; liver; liver left lobe; liver right lobe; and metanephros. Human ortholog(s) of this gene implicated in atopic dermatitis. Orthologous to human HAVCR1 (hepatitis A virus cellular receptor 1).
Product Categories/Family for anti-TIMD2 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	238624136
NCBI GeneID	171284
NCBI Accession #	NP_001154827.1
NCBI GenBank Nucleotide #	NM_001161355.1
UniProt Accession #	Q8R183; Q8VBW0
Molecular Weight	33,504 Da
NCBI Official Full Name	T-cell immunoglobulin and mucin domain-containing protein 2
NCBI Official Synonym Full Names	T cell immunoglobulin and mucin domain containing 2
NCBI Official Symbol	Timd2
NCBI Official Synonym Symbols	G9D3; Tim2; TIM-2; C78111; AA816106; AU019358; AU019662
NCBI Protein Information	T-cell immunoglobulin and mucin domain-containing protein 2; T-cell immunoglobulin and mucin domain containing 2; T-cell immunoglobulin mucin receptor 2; T-cell membrane protein 2; TIMD-2
UniProt Protein Name	T-cell immunoglobulin and mucin domain-containing protein 2
UniProt Gene Name	Timd2
UniProt Synonym Gene Names	Tim2; TIMD-2; TIM-2
UniProt Entry Name	TIMD2_MOUSE

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://www.aaabiotech.com/polyclonal/tim-2-timd2-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/126665>