

**HAVCR1 / KIM-1 Antibody (N-Terminus)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS12135****Specification**

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**HAVCR1 / KIM-1 Antibody (N-Terminus) - Product Information**

Application	WB, IHC-P, IF
Primary Accession	<a href="#">O96D42</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A IF~~1:50~200

**HAVCR1 / KIM-1 Antibody (N-Terminus) - Additional Information****Gene ID** 26762**Other Names**

Hepatitis A virus cellular receptor 1, HAVcr-1, Kidney injury molecule 1, KIM-1, T-cell immunoglobulin and mucin domain-containing protein 1, TIMD-1, T-cell immunoglobulin mucin receptor 1, TIM, TIM-1, T-cell membrane protein 1, HAVCR1, KIM1, TIM1, TIMD1

**Target/Specificity**

16 amino acid peptide from near the amino terminus of human TIM-1

**Reconstitution & Storage**

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

**Precautions**

HAVCR1 / KIM-1 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

**HAVCR1 / KIM-1 Antibody (N-Terminus) - Protein Information****Name** HAVCR1**Synonyms** KIM1, TIM1, TIMD1**Function**

Phosphatidylserine receptor that plays an important functional role in regulatory B-cells homeostasis including generation, expansion and suppressor functions (By similarity). As P-selectin/SELPLG ligand, plays a specialized role in activated but not naive T-cell trafficking during inflammatory responses (PubMed:<a href="http://www.uniprot.org/citations/24703780" target="\_blank">24703780</a>). Controls thereby T-cell accumulation in the inflamed central nervous system (CNS) and the induction of autoimmune disease (PubMed:<a

href="http://www.uniprot.org/citations/24703780" target="\_blank">24703780</a>). Also regulates expression of various anti-inflammatory cytokines and co-inhibitory ligands including IL10 (By similarity). Acts as a regulator of T-cell proliferation (By similarity). May play a role in kidney injury and repair (PubMed:<a href="http://www.uniprot.org/citations/17471468" target="\_blank">17471468</a>).

**Cellular Location**

Cell membrane; Single-pass type I membrane protein

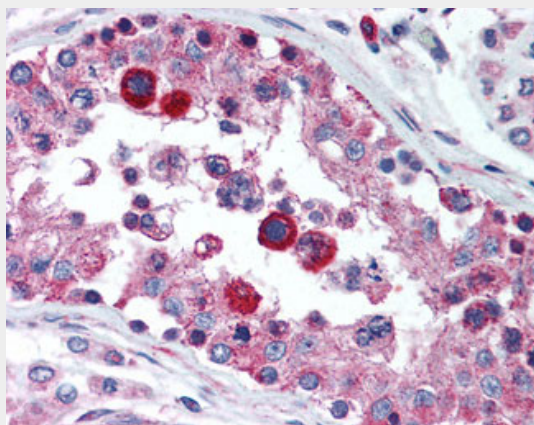
**Tissue Location**

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

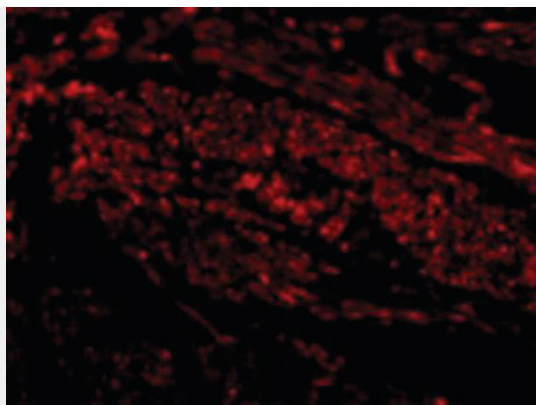
**HAVCR1 / KIM-1 Antibody (N-Terminus) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**HAVCR1 / KIM-1 Antibody (N-Terminus) - Images**

Anti-TIM-1 antibody IHC of human testis.



Immunofluorescence of TIM-1 in Human Uterus cells with TIM-1 antibody at 20 ug/ml.

#### **HAVCR1 / KIM-1 Antibody (N-Terminus) - Background**

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.

#### **HAVCR1 / KIM-1 Antibody (N-Terminus) - References**

Feigelstock D.,et al.J. Virol. 72:6621-6628(1998).  
Ebert L.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.  
Schmutz J.,et al.Nature 431:268-274(2004).  
Tami C.,et al.J. Virol. 81:3437-3446(2007).  
van Timmeren M.M.,et al.J. Pathol. 212:209-217(2007).