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HAVCR1 / KIM-1 Antibody (Internal)
Rabbit Polyclonal Antibody
Catalog # ALS12277

Specification

HAVCR1 / KIM-1 Antibody (Internal) - Product Information

Application	**WB, IHC-P**
Primary Accession	Q96D42
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**39kDa KDa**
Dilution	**WB~~1:1000** **IHC-P~~N/A**

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

HAVCR1 / KIM-1 Antibody (Internal) - 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:24703780). Controls thereby T-cell accumulation in the inflamed central nervous system (CNS) and the induction of autoimmune disease (PubMed:24703780). 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:17471468).

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.

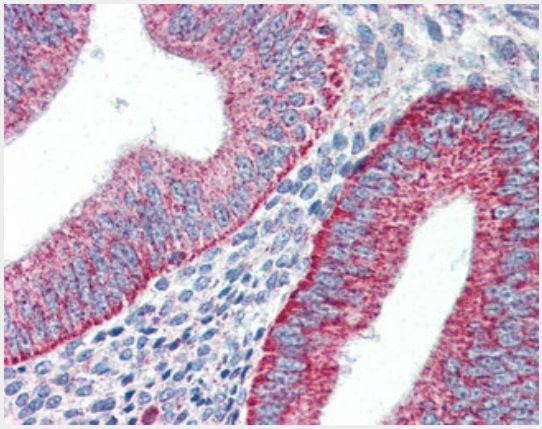
Volume
50 µl

HAVCR1 / KIM-1 Antibody (Internal) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

HAVCR1 / KIM-1 Antibody (Internal) - Images



Anti-TIM-1 antibody IHC of human uterus.

HAVCR1 / KIM-1 Antibody (Internal) - 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 (Internal) - References

Feigelstock D.,et al.J. Virol. 72:6621-6628(1998).

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Schmutz J.,et al.Nature 431:268-274(2004).
Tami C.,et al.J. Virol. 81:3437-3446(2007).
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