

HAVCR1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP14030a

Specification

HAVCR1 Antibody (N-term) - Product Information

Application Primary Accession Other Accession

Reactivity Host Clonality Isotype Calculated MW Antigen Region WB,E <u>Q96D42</u> <u>NP_001092884.1</u>, <u>NP_036338.2</u>, <u>NP_001166864.1</u> Human Rabbit Polyclonal Rabbit IgG 39250 53-82

HAVCR1 Antibody (N-term) - 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

This HAVCR1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 53-82 amino acids from the N-terminal region of human HAVCR1.

Dilution WB~~1:1000 E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

HAVCR1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

HAVCR1 Antibody (N-term) - 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:<u>17471468</u>).

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 Antibody (N-term) - Protocols

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

- <u>Western Blot</u>
- Blocking Peptides
- <u>Dot Blot</u>
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

HAVCR1 Antibody (N-term) - Images



HAVCR1 Antibody (N-term) (Cat. #AP14030a) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the HAVCR1 antibody detected the HAVCR1 protein (arrow).

HAVCR1 Antibody (N-term) - Background



The protein encoded by this gene is a membrane receptor for both human hepatitis A virus (HHAV) and TIMD4. The encoded protein may be involved in the moderation of asthma and allergic diseases. The reference genome represents an allele that retains a MTTVP amino acid segment that confers protection against atopy in HHAV seropositive individuals. Three transcript variants encoding the same protein have been found for this gene. [provided by RefSeq].

HAVCR1 Antibody (N-term) - References

Fontaine-Bisson, B., et al. Diabetologia 53(10):2155-2162(2010) Garcia-Lozano, J.R., et al. Hum. Genet. 128(2):221-229(2010) Wichukchinda, N., et al. AIDS 24(11):1625-1631(2010) Huo, W., et al. Transplant Rev (Orlando) 24(3):143-146(2010) Schuurhof, A., et al. Pediatr. Pulmonol. 45(6):608-613(2010)