

HAVCR1 Rabbit pAb HAVCR1 Rabbit pAb Catalog # AP94080

Specification

HAVCR1 Rabbit pAb - Product Information

Application WB
Primary Accession O5ONS5
Reactivity Mouse
Host Rabbit
Clonality Polyclonal
Calculated MW 39 KDa
Physical State Liquid

Immunogen KLH conjugated synthetic peptide derived

from mouse HAVCR1c/TIM 1

161-250/359

IgG

Epitope Specificity

Isotype **Purity**

affinity purified by Protein A

SUBCELLULAR LOCATION

Buffer Preservative: 0.02% Proclin300,

Constituents: 1% BSA, 0.01M PBS, pH7.4.

Membrane; Single-pass type I membrane

protein (Probable).

SIMILARITY Belongs to the immunoglobulin

superfamily. TIM family. Contains 1 Ig-like

V-type (immunoglobulin-like)

Important Note

This product as supplied is intended for research use only, not for use in human,

therapeutic or diagnostic applications.

Background Descriptions

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 Rabbit pAb - Additional Information

Gene ID 171283

Other Names

Hepatitis A virus cellular receptor 1 homolog, HAVcr-1, Kidney injury molecule 1, KIM-1, T cell immunoglobulin and mucin domain-containing protein 1, TIMD-1, T cell membrane protein 1, T-cell immunoglobulin mucin receptor 1, TIM-1, CD365, Havcr1, Kim1, Tim1, Timd1

Target/Specificity

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



Dilution

WB~~1:1000

Storage

Store at -20 $^{\circ}$ C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 $^{\circ}$ C.

HAVCR1 Rabbit pAb - 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 (PubMed:21821911, PubMed:25645598, PubMed:32668241). 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 (PubMed:25582854, PubMed:25645598). Acts as a regulator of T-cell proliferation (PubMed:15793576). May play a role in kidney injury and repair (By similarity).

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:Q96D42}; Single-pass type I membrane protein

Tissue Location

Expressed by stimulated T-cells. Expressed during primary antigen stimulation (PubMed:11725301). Expressed at higher levels on B rather than T-cells, both constitutively and after activation (PubMed:21821911).

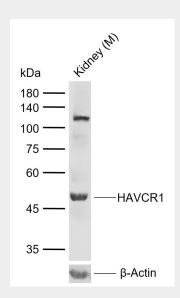
HAVCR1 Rabbit pAb - Protocols

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

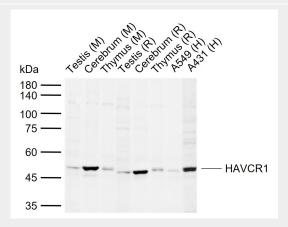
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

HAVCR1 Rabbit pAb - Images





Sample: Lane 1: Mouse Kidney tissue lysates Primary: Anti-HAVCR1 (AP94080) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 39 kDa Observed band size: 50 kDa



Sample: Lane 1: Mouse Testis tissue lysates Lane 2: Mouse Cerebrum tissue lysates Lane 3: Mouse Thymus tissue lysates Lane 4: Rat Testis tissue lysates Lane 5: Rat Cerebrum tissue lysates Lane 6: Rat Thymus tissue lysates Lane 7: Human A549 cell lysates Lane 8: Human A431 cell lysates Primary: Anti-HAVCR1 (AP94080) at 1/500 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 39 kDa Observed band size: 50 kDa

HAVCR1 Rabbit pAb - Background

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