

HAVCR1 Rabbit pAb

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Catalog # AP93922

Product Information

Application	WB
Primary Accession	Q5QNS5
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	33361
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from mouse HAVCR1c/TIM 1
Epitope Specificity	71-170/305
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	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]

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=1:500-2000
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce

Storage Store at -20 °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 °C.

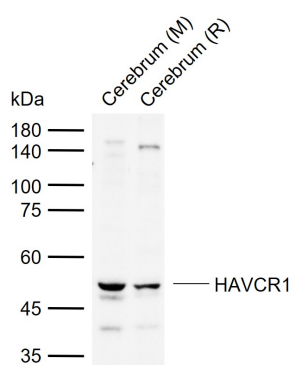
Protein Information

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).

Background

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Images



Sample: Lane 1: Mouse Cerebrum tissue lysates Lane 2: Rat Cerebrum tissue lysates Primary: Anti-HAVCR1 (AP93922) at 1/500 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 39 kDa Observed band size: 50 kDa

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