

HAVCR1 Rabbit pAb

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Catalog # AP93922

Product Information

Application	WB
Primary Accession	Q5QNS5
Reactivity	Rat, 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).
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
Dilution	WB=1:500-2000
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.

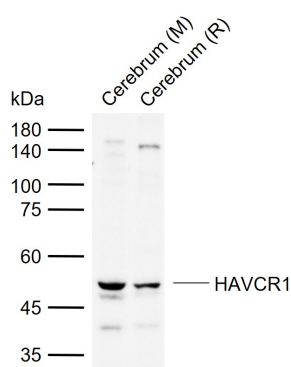
Protein Information

Name	Havcr1
Synonyms	Kim1, Tim1, Timd1
Function	Phosphatidylserine receptor that plays an important functional role in regulatory B-cell homeostasis including generation, expansion and suppressor functions (PubMed: 21821911 , PubMed: 25645598 , PubMed: 32668241). Involved in efferocytosis, the process by which apoptotic cells are removed, by binding to phosphatidylserine present on apoptotic cells and promoting their engulfment (By similarity). Confers phagocytic ability on injured kidney epithelial cells, allowing them to bind to and internalize apoptotic bodies and necrotic debris following kidney injury (By similarity). The ectodomain binds to the surface of apoptotic kidney epithelial cells via phosphatidylserine and oxidized phospholipids exposed on the cell membrane of the apoptotic cells (By similarity). HAVCR1-expressing cells are also capable of phagocytosing Gram-negative and Gram-positive bacteria (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). Acts as a regulator of T-cell proliferation (PubMed: 15793576). Also regulates expression of various anti- inflammatory cytokines and co-inhibitory ligands including IL10 (PubMed: 25582854 , PubMed: 25645598).
Cellular Location	Cell membrane {ECO:0000250 UniProtKB:Q96D42}; Single-pass type I membrane protein. Cell projection, phagocytic cup {ECO:0000250 UniProtKB:Q96D42}. Cytoplasmic vesicle, phagosome {ECO:0000250 UniProtKB:Q96D42}
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).

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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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.