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Datasheet

HAVCR2 polyclonal antibody

Catalog Number: PAB14656

Regulation Status: For research use only (RUO)

Product Description: Rabbit polyclonal antibody raised against synthetic peptide of HAVCR2.

Immunogen: A synthetic peptide corresponding to amino acids 176-194 of human HAVCR2.

Sequence: ISTLANELRDSRLANDLRD

Host: Rabbit

Reactivity: Chimpanzee,Human

Applications: ELISA
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Specificity: The amino acid sequence used as immunogen is 100% homologous in human and 94% in chimp.

Form: Liquid

Recommend Usage: ELISA (1:100-1:1000)
The optimal working dilution should be determined by the end user.

Storage Buffer: In serum (50% glycerol, 0.025% sodium azide)

Storage Instruction: Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 84868

Gene Symbol: HAVCR2

Gene Alias: FLJ14428, KIM-3, TIM3, TIMD3, Tim-3

Gene Summary: CD4 (MIM 186940)-positive T helper lymphocytes can be divided into types 1 (Th1) and 2 (Th2) on the basis of their cytokine secretion patterns. Th1 cells and their associated cytokines are involved in cell-mediated immunity to intracellular pathogens and delayed-type hypersensitivity reactions, whereas Th2 cells are involved in the control of extracellular helminthic infections and the promotion of atopic and allergic diseases. The 2 types of cells also cross-regulate the functions of the other. TIM3 is a Th1-specific cell surface protein that regulates macrophage activation and enhances the severity of experimental autoimmune encephalomyelitis in mice.[supplied by OMIM]

References:

1. Tim-3 inhibits T helper type 1-mediated auto- and alloimmune responses and promotes immunological tolerance. Sanchez-Fueyo A, Tian J, Picarella D, Domenig C, Zheng XX, Sabatos CA, Manlongat N, Bender O, Kamradt T, Kuchroo VK, Gutierrez-Ramos JC, Coyle AJ, Strom TB. Nat Immunol. 2003 Nov;4(11):1093-101. Epub 2003 Oct 12.
2. Th1-specific cell surface protein Tim-3 regulates macrophage activation and severity of an autoimmune disease. Monney L, Sabatos CA, Gaglia JL, Ryu A, Waldner H, Chernova T, Manning S, Greenfield EA, Coyle AJ, Sobel RA, Freeman GJ, Kuchroo VK. Nature. 2002 Jan 31;415(6871):536-41.
3. Identification of Tapr (an airway hyperreactivity regulatory locus) and the linked Tim gene family. McIntire JJ, Umetsu SE, Akbari O, Potter M, Kuchroo VK, Barsh GS, Freeman GJ, Umetsu DT, DeKruyff RH. Nat Immunol. 2001 Dec;2(12):1109-16.