

HCP5 Rabbit pAb

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Catalog # AP55988

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q6MZN7
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	14098
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human HCP5
Epitope Specificity	1-80/132
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	HCP5 is a region present on chromosome 6p21.3 that is characterized by multiple duplicated gene families. HCP5 (HLA class I histocompatibility antigen protein P5), also known as P5-1, is a 132 amino acid protein that is encoded by a gene mapping to human chromosome 6p21.33. Localizing within the MHC class I region, HCP5 is not structurally related to other MHC class I genes, but does have high sequence similarity with HERV-L and HERV-16. HCP5 also has high sequence homology to retroviral Pol genes, making it a possible candidate for interaction with HIV-1 through an antisense mechanism that prevents retrovirus transcription. Single-nucleotide polymorphisms (SNPs) to the region of the HCP5 gene that corresponds with HLA-B has been linked to a lower HIV-1 viral set point. HCP5 is highly expressed in lymphoid tissues, spleen and activated lymphocytes, as well as B-cell and natural killer (NK) cell lines.

Additional Information

Other Names	HLA class I histocompatibility antigen protein P5, HLA complex protein P5, Protein P5-1, HCP5
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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	HCP5
Tissue Location	Expressed in lymphoid tissues; Detected in spleen as well as in B-cell lines, NK cell lines and activated lymphocytes

Background

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