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[Primary Antibody]

Rabbit Anti-HCP5 antibody

Catalog Number: SL15429R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	HCP5
Immunogen:	KLH conjugated synthetic peptide derived from human HCP5: 1-80/132
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	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 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human)
Predicted MW.:	14kDa
Background:	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

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	tissues, spleen and activated lymphocytes, as well as B-cell and natural killer (NK) cell lines. **Tissue Specificity:** Expressed in lymphoid tissues; Detected in spleen as well as in B-cell lines, NK cell lines and activated lymphocytes. **Database links:** **Entrez Gene:** 10866 Human Omim: 604676 Human **SwissProt:** Q6MZN7 Human **Unigene:** 654480 Human

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