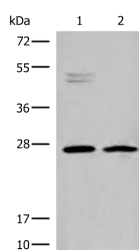


HLA-DMB Polyclonal Antibody

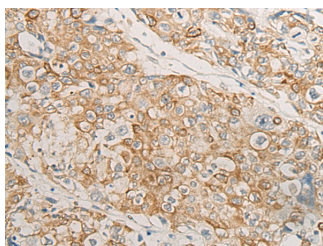
Catalog No.	E-AB-52583	Reactivity	H
Storage	Store at -20°C. Avoid freeze / thaw cycles.	Host	Rabbit
Applications	WB,IHC,ELISA	Isotype	IgG

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Images



Western blot analysis of K562 and Jurkat cell lysates using HLA-DMB Polyclonal Antibody at dilution of 1:550



Immunohistochemistry of paraffin-embedded Human prostate cancer tissue using HLA-DMB Polyclonal Antibody at dilution of 1:40(×200)

Immunogen Information

Immunogen	Fusion protein of human HLA-DMB
Gene Accession	BC027175
Swissprot	P28068
Synonyms	MHC class II HLA DMB,OTTHUMP00000029257,Really interesting new gene 7 protein,RING7

Product Information

Calculated MW	29 kDa
Observed MW	Refer to figures
Buffer	PBS with 0.05% NaN ₃ and 40% Glycerol,pH7.4
Purify	Antigen affinity purification
Dilution	WB 1:500-1:2000, IHC 1:30-1:150, ELISA 1:5000-1:10000

Background

HLA-DMB (Major Histocompatibility Complex, Class II, DM Beta) is a Protein Coding gene. Diseases associated with HLA-DMB include Red-Green Color Blindness and Red Color Blindness. Among its related pathways are ICos-ICosL Pathway in T-Helper Cell and CTLA4 Signaling. GO annotations related to this gene include MHC class II protein complex binding. An important paralog of this gene is ENSG00000248993.HLA-DMB belongs to the HLA class II beta chain paralogues. This class II molecule is a heterodimer consisting of an alpha (DMA) and a beta (DMB) chain, both anchored in the membrane. It is located in intracellular vesicles. DM plays a central role in the peptide loading of MHC class II molecules by helping to release the CLIP (class II-associated invariant chain peptide) molecule from the peptide binding site. Class II molecules are expressed in antigen presenting cells (APC: B lymphocytes, dendritic cells, macrophages). The beta chain is approximately 26-28 kDa and its gene contains 6 exons. Exon one encodes the leader peptide, exons 2 and 3 encode the two extracellular domains, exon 4 encodes the transmembrane domain and exon 5 encodes the cytoplasmic tail.

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Applications:WB-Western Blot IHC-Immunohistochemistry IF-Immunofluorescence IP-Immunoprecipitation FC-Flow cytometry ChIP-Chromatin Immunoprecipitation Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish X-Xenopus C-Cow.