Product datasheet for TA368265S

HLAB (HLA-B) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000
	WB positive control: A549 cell lysate
	IHC: 30-150
	Positive control: Human cervical cancer
	Predicted cell location: Cytoplasm and Cell membrane
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human HLA-B
Formulation:	pH7.4 PBS, 0.05% NaN3, 40% Glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	40 kDa
Gene Name:	major histocompatibility complex, class I, B
Database Link:	Entrez Gene 3106 Human
	P01889

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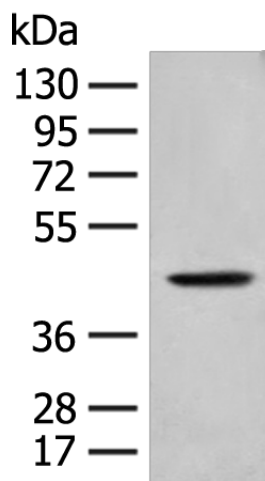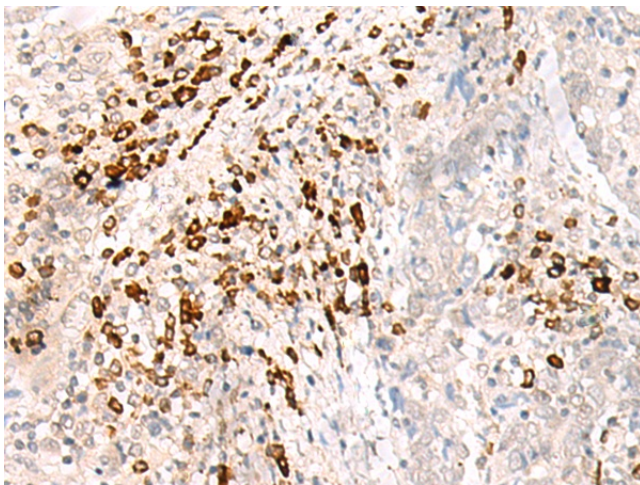ORIGENE

Background: HLA-B belongs to the HLA class I heavy chain paralogues. This class I molecule is a heterodimer consisting of a heavy chain and a light chain (beta-2 microglobulin). The heavy chain is anchored in the membrane. Class I molecules play a central role in the immune system by presenting peptides derived from the endoplasmic reticulum lumen. They are expressed in nearly all cells. The heavy chain is approximately 45 kDa and its gene contains 8 exons. Exon 1 encodes the leader peptide, exon 2 and 3 encode the alpha1 and alpha2 domains, which both bind the peptide, exon 4 encodes the alpha3 domain, exon 5 encodes the transmembrane region and exons 6 and 7 encode the cytoplasmic tail. Polymorphisms within exon 2 and exon 3 are responsible for the peptide binding specificity of each class one molecule. Typing for these polymorphisms is routinely done for bone marrow and kidney transplantation. Hundreds of HLA-B alleles have been described.
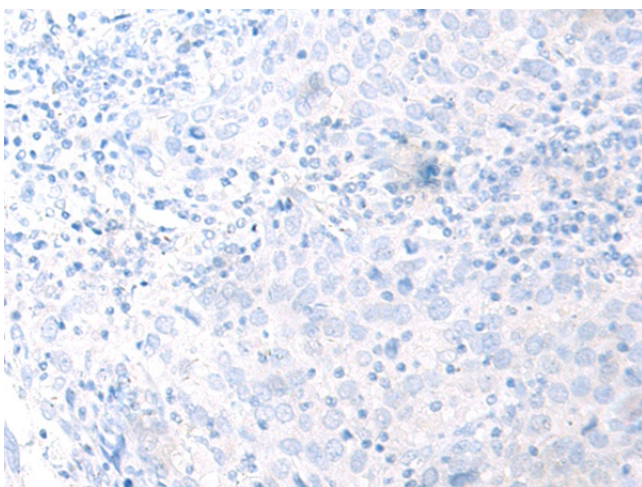
Synonyms: AS; HLAB; SPDA1

Product images:

Gel: 8%SDS-PAGE
Lysate: 40 μg
Lane: A549 cell lysate
Primary antibody: [TA368265] (HLA-B Antibody) at dilution 1/400
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 1 minute

Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using [TA368265] (HLA-B Antibody) at dilution 1/30 (Original magnification: ×200)

Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using [TA368265] (HLA-B Antibody) at dilution 1/30, treated with synthetic peptide. (Original magnification: ×200)