HLA-DRB5 Antibody

Catalog No: #47135

Orders: order@signalwayantibody.com
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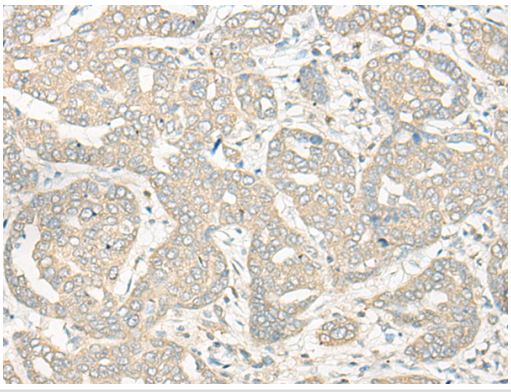
Description

Product Name	HLA-DRB5 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total HLA-DRB5 protein.
Immunogen Type	protein
Immunogen Description	Fusion protein of human HLA-DRB5
Target Name	HLA-DRB5
Accession No.	Swiss-Prot#:Q30154NCBI Gene ID:3127Gene Accssion:BC009234
Uniprot	Q30154
GeneID	3127;
Concentration	1.6mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20C

Application Details

Immunofluorescence:1: 40-200

Images



The image is immunohistochemistry of paraffin-embedded Human liver cancer tissue using 47135(HLA-DRB5 Antibody) at dilution 1/45. (Original magnification: ?00)

Background

HLA-DRB5 belongs to the HLA class II beta chain paralogues. This class II molecule is a heterodimer consisting of an alpha (DRA) and a beta (DRB) chain, both anchored in the membrane. It plays a central role in the immune system by presenting peptides derived from extracellular proteins. 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. Within the DR molecule the beta chain contains all the polymorphisms specifying the

peptide binding specificities. Typing for these polymorphisms is routinely done for bone marrow and kidney transplantation. DRB1 is expressed at a level five times higher than its paralogues DRB3, DRB4 and DRB5. The presence of DRB5 is linked with allelic variants of DRB1, otherwise it is omitted. There are 4 related pseudogenes: DRB2, DRB6, DRB7, DRB8 and DRB9.

Note: This product is for in vitro research use only