Product Datasheet

HLA-A Antibody

Catalog No: #32636

Package Size: #32636-1 50ul #32636-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

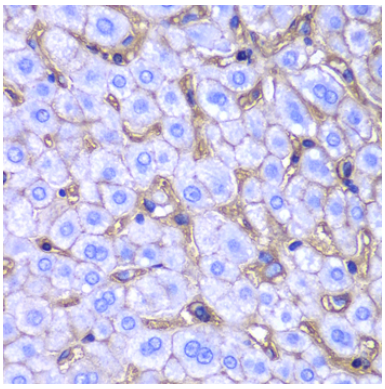
Description

Product Name	HLA-A Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total HLA-A protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant fusion protein of human HLA-A (NP_001229687.1).
Target Name	HLA-A
Other Names	HLAA;HLA-A
Accession No.	Uniprot:P04439/P30443GeneID:3105
Uniprot	P04439/P30443
GeneID	3105
SDS-PAGE MW	45KDa
Concentration	1.0mg/ml
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

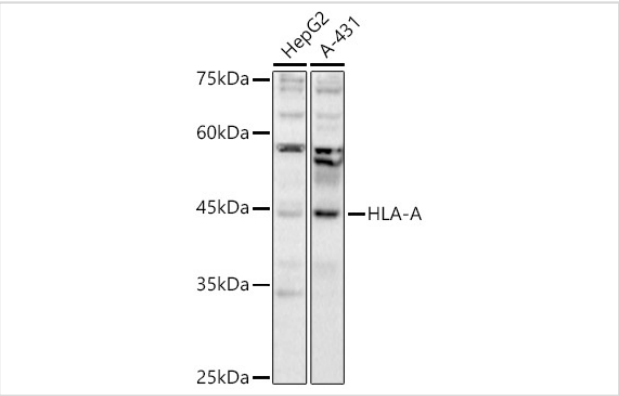
Application Details

WB□1:500 - 1:2000IHC□1:50 - 1:200

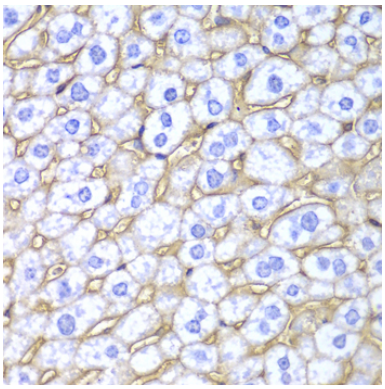
Images



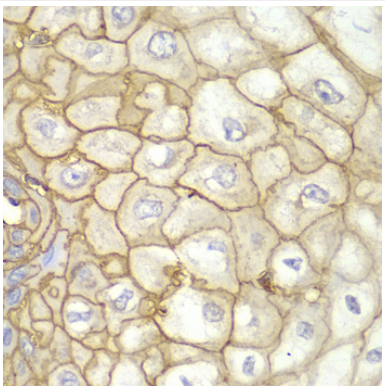
Immunohistochemistry of paraffin-embedded human liver damage using HLA-A antibody.



Western blot analysis of extracts of various cell lines, using HLA-A antibody.



Immunohistochemistry of paraffin-embedded mouse liver using HLA-A antibody.



Immunohistochemistry of paraffin-embedded human esophagus using HLA-A antibody.

Background

HLA-A 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, exons 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-A alleles have been described.

Note: This product is for in vitro research use only