

Rabbit anti-Human HLA-A/F/H Polyclonal Antibody | anti-HLA-A/F/H antibody

HLA-A/F/H Antibody

CATALOG # AAA310756	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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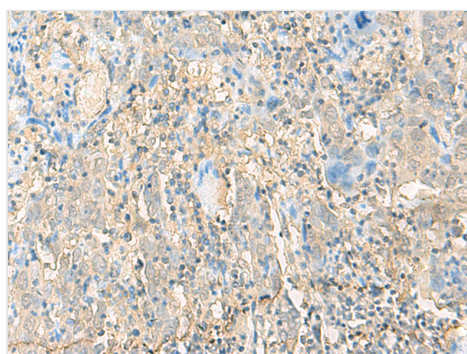
PRODUCT SYNONYMS

HLA-A/F/H; Polyclonal Antibody; HLA-A/F/H Antibody; HLAA; HLAF; CDA12; HLA-5.4; HLA-CDA12; HLAHP; anti-HLA-A/F/H antibody

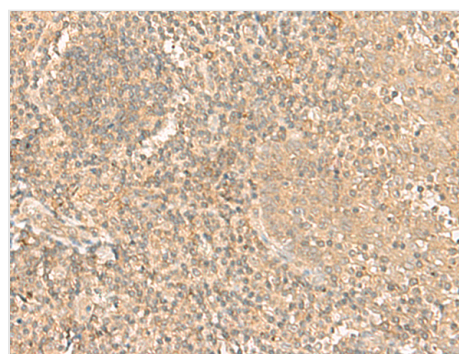
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	The antibody detects endogenous levels of total HLA-A/F/H protein.
Purity/Purification	Antigen affinity purification
Form/Format	pH 7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Concentration	0.6 mg/mL (varies by lot)
Sequence Length	362
Applicable Applications for anti-HLA-A/F/H antibody	IHC (Immunohistochemistry)
Immunogen	Synthetic peptide of human HLA-A/F/H
Immunogen Type	Peptide
Preparation and Storage	Store at -20 degree C.

IMAGES


IHC (Immunohistochemistry)

The image is immunohistochemistry of paraffin-embedded Human cervical cancer tissue using 47632(HLA-A/F/H Antibody) at dilution 1/20.(Original magnification: 200


IHC (Immunohistochemistry)

The image is immunohistochemistry of paraffin-embedded Human tonsil tissue using 47632(HLA-A/F/H Antibody) at dilution 1/20.(Original magnification: 200

ADDITIONAL INFORMATION

Related Product Information for anti-HLA-A/F/H antibody	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. HLA-F belongs to the HLA class I heavy chain paralogues. It encodes a non-classical heavy chain that forms a heterodimer with a beta-2 microglobulin light chain, with the heavy chain anchored in the membrane. Unlike most other HLA heavy chains, this molecule is localized in the endoplasmic reticulum and Golgi apparatus, with a small amount present at the cell surface in some cell types. It contains a divergent peptide-binding groove, and is thought to bind a restricted subset of peptides for immune presentation. This gene exhibits few polymorphisms. Multiple transcript variants encoding different isoforms have been found for this gene. These variants lack a coding exon found in transcripts from other HLA paralogues due to an altered splice acceptor site, resulting in a shorter cytoplasmic domain. HLA-H represents a transcribed pseudogene, possibly derived from HLA-A. This gene displays extensive variation.
Product Categories/Family for anti-HLA-A/F/H antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	308153595
NCBI GeneID	3136
UniProt Accession #	P01893
Molecular Weight	40,892 Da
NCBI Official Full Name	Putative HLA class I histocompatibility antigen, alpha chain H
NCBI Official Synonym Full Names	major histocompatibility complex, class I, H (pseudogene)
NCBI Official Symbol	HLA-H
NCBI Official Synonym Symbols	HLAHP
UniProt Protein Name	Putative HLA class I histocompatibility antigen, alpha chain H
UniProt Gene Name	HLA-H
UniProt Synonym Gene Names	HLAH

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/hla-a-f-h-antibody-immunohistochemistry-elisa/310756>