

Rabbit anti-Human, Rat MHC class 1 Polyclonal Antibody | anti-HLA-A antibody

MHC class 1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323679	Rabbit	Human, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

MHC class 1; Polyclonal Antibody; MHC class 1 Antibody; Antigen presenting molecule; HLA class I histocompatibility antigen; A 1 alpha chain; HLAA; Leukocyte antigen class I A; Major histocompatibility complex; class I; A; MHC class I antigen HLA A heavy chain; anti-HLA-A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MHC class 1 antibody detects endogenous levels of total MHC class 1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	365
Applicable Applications for anti-HLA-A antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human MHC class 1
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



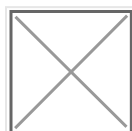
IHC (Immunohistochemistry)

AAA323679 at 1/100 staining Rat kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IF (Immunofluorescence)

AAA323679 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of MHC class 1 using 293 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-HLA-A antibody	Function: Involved in the presentation of foreign antigens to the immune system. Subunit Structure: Heterodimer of an alpha chain and a beta chain (beta-2-microglobulin). Interacts with human herpesvirus 8 MIR1 protein (By similarity). Post-translational Modifications: Polyubiquitinated in a post ER compartment by interaction with human herpesvirus 8 MIR1 protein. This targets the protein for rapid degradation via the ubiquitin system (By similarity). Similarity: Belongs to the MHC class I family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13124681
NCBI GeneID	3105
UniProt Accession #	P01891; O19673; O19695; O19794; O19795; O43907; O77938; O98010; P10315; P79505; Q9MYA5; Q9MYC4; P01892; P04439; P05534; P10314; P10316; P13746; P16188; P16189; P16190
Molecular Weight	Observed: 41 kDa Predicted: 41 kDa
NCBI Official Full Name	HLA class I histocompatibility antigen, A-68 alpha chain
NCBI Official Synonym Full Names	major histocompatibility complex, class I, A
NCBI Official Symbol	HLA-A
NCBI Official Synonym Symbols	HLAA
NCBI Protein Information	HLA class I histocompatibility antigen, A-1 alpha chain; LOW QUALITY PROTEIN: HLA class I histocompatibility antigen, A-1 alpha chain
UniProt Protein Name	HLA class I histocompatibility antigen, A-68 alpha chain
UniProt Gene Name	HLA-A
UniProt Synonym Gene Names	HLAA

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.