HLA-C Polyclonal Antibody | anti-HLA-C antibody

Anti-HLA-C Antibody

CATALOG #	REACTIVITY	APPLICATIONS
AAA46402	**Human, Mouse, Rat**	**Immunocytochemistry, Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

HLA-C; Polyclonal Antibody; Anti-HLA-C Antibody; MHC class I antigen; 1C07_HUMAN; Cw-7 alpha chain; D6S204; HLA class I histocompatibility antigen; C alpha chain; Cw-1 alpha chain; HLA-C antibodyHLA-C histocompatibility type; HLA-Cw; HLA-JY3; HLAC; HLC-C; human leukocyte antigen-C alpha chain; major histocompatibility antigen HLA-C; major histocompatibility complex; class I; C; MHC class I antigen Cw 1; MHC class I antigen Cw*7; MHC class I antigen heavy chain HLA-C; PSORS1; anti-HLA-C antibody

PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	70
Applicable Applications for anti-HLA-C antibody	ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human HLA-C(38-62aa EYWDRETQKYKRQAQADRVNLRKLR).
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES

ICC (Immunocytochemistry)
Anti- HLA-C Picoband antibody, AAA46402,ICCICC: HELA Cell

IHC (Immunohistochemistry)
Anti- HLA-C Picoband antibody, AAA46402,IHC(P)IHC(P): Human Lung Cancer Tissue

IHC (Immunohistochemisry)
Anti- HLA-C Picoband antibody, AAA46402,IHC(P)IHC(P): Rat Intestine Tissue

IHC (Immunohiostchemistry)
Anti- HLA-C Picoband antibody, AAA46402,IHC(P)IHC(P): Mouse Intestine Tissue

WB (Western Blot)
Anti- HLA-C Picoband antibody, AAA46402, Western blottingAll lanes: Anti HLA-C (AAA46402) at 0.5ug/mlLane 1: HELA Whole Cell Lysate at 40ugLane 2: A549 Whole Cell Lysate at 40ugLane 3: U87 Whole Cell Lysate at 40ugLane 4: Rat Brain Tissue Lysate at 50ugLane 5: Rat Liver Tissue Lysate at 50ugPredicted bind size: 41KDObserved bind size: 41KD

ADDITIONAL INFORMATION

Related Product Information for anti-HLA-C antibody	Description: Rabbit IgG polyclonal antibody for MHC class I antigen(HLA-C) detection. Tested with WB, IHC-P, ICC in Human;Mouse;Rat. Background: HLA-C 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 endoplasmic reticulum lumen. They are expressed in nearly all cells. The heavy chain is approximately 45 kDa and its gene contains 8 exons. Exon one encodes the leader peptide, exons 2 and 3 encode the alpha1 and alpha2 domain, 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. Over one hundred HLA-C alleles have been described.
References	1. Ríos A, Rodríguez JM, Moya MR, Galindo PJ, Canteras M, Alvarez MR, Parrilla P (2006). "Associations of HLA-C alleles with multinodular goiters: study in a population from southeastern Spain.". Arch Surg 141 (2): 123-8. 2. Valés-Gómez M, Reyburn HT, Mandelboim M, Strominger JL (September 1998). "Kinetics of interaction of HLA-C ligands with natural killer cell inhibitory receptors". Immunity 9 (3): 337-44.

NCBI AND UNIPROT INFORMATION

NCBI GeneID	3107
UniProt Accession #	U5YBW8; P30499; P30501; P30504; P30505; Q07000; Q29865; Q29960; Q95604; P04222; P30508
Molecular Weight	8,415 Da
NCBI Official Synonym Full Names	major histocompatibility complex, class I, C
NCBI Official Symbol	HLA-C
NCBI Official Synonym Symbols	HLAC; HLC-C; D6S204; PSORS1; HLA-JY3
NCBI Protein Information	HLA class I histocompatibility antigen, Cw-1 alpha chain
UniProt Protein Name	MHC class I antigen
UniProt Gene Name	**HLA-C**
UniProt Entry Name	U5YBW8_HUMAN

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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