

Anti-HLA-C Picoband Antibody

Catalog # ABO12068

Product Information

Application	WB, IHC-P, ICC
Primary Accession	U5YBW8
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for MHC class I antigen(HLA-C) detection. Tested with WB, IHC-P, ICC in Human;Mouse;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Calculated MW	8415 Da
Application Details	Immunocytochemistry , 0.5-1 μ g/ml, Human, - Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μ g/ml, Human, Mouse, Rat, By Heat Western blot, 0.1-0.5 μ g/ml, Human, Rat
Protein Name	MHC class I antigen
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human HLA-C(38-62aa EYWDRETQYKRQAQADRVNLRKLR).
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins.
Storage	At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time.Avoid repeated freezing and thawing.

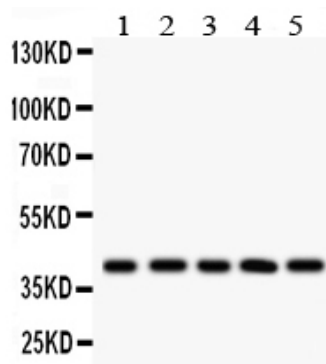
Protein Information

Background

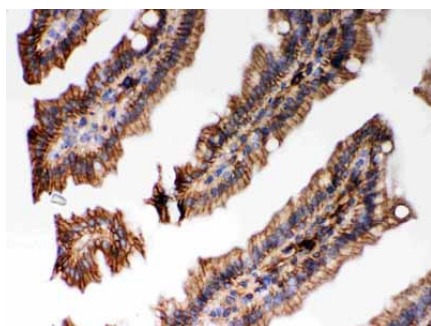
HLA-C belongs to the HLA class I heavy chain paralogues. This class I molecule is a heterodimer consisting of a heavy chain and a light chain (beta-2 microglobulin). The heavy chain is anchored in the membrane. Class I

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.

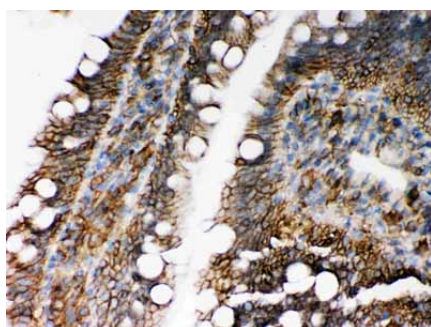
Images



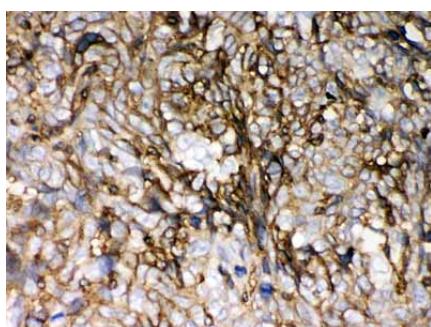
Anti- HLA-C Picoband antibody, ABO12068, Western blotting
All lanes: Anti HLA-C (ABO12068) at 0.5ug/ml
Lane 1: HELA Whole Cell Lysate at 40ug
Lane 2: A549 Whole Cell Lysate at 40ug
Lane 3: U87 Whole Cell Lysate at 40ug
Lane 4: Rat Brain Tissue Lysate at 50ug
Lane 5: Rat Liver Tissue Lysate at 50ug
Predicted bind size: 41KD
Observed bind size: 41KD



Anti- HLA-C Picoband antibody, ABO12068,IHC(P)
IHC(P): Mouse Intestine Tissue

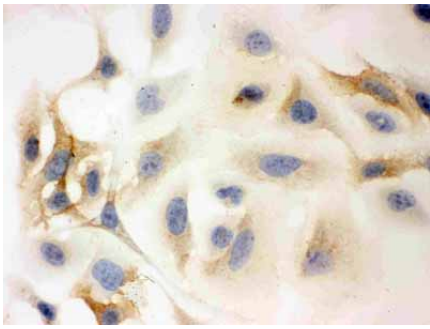


Anti- HLA-C Picoband antibody, ABO12068,IHC(P)
IHC(P): Rat Intestine Tissue



Anti- HLA-C Picoband antibody, ABO12068,IHC(P)
IHC(P): Human Lung Cancer Tissue

Anti- HLA-C Picoband antibody, ABO12068,ICC
ICC: HELA Cell



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.