10320 Camino Santa Fe, Suite A
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Tel: 858.875.1900 Fax: 858.875.1999

Anti-HLA-C Picoband Antibody
Catalog # ABO12068

Specification

Anti-HLA-C Picoband Antibody - 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.

Anti-HLA-C Picoband Antibody - Additional Information

Calculated MW
8415 MW KDa

Application Details
Immunocytochemistry , 0.5-1 µg/ml, Human, -
Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Mouse, Rat, By Heat
Western blot, 0.1-0.5 µg/ml, Human, Rat

Protein Name
MHC class I antigen

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

Immunogen
A synthetic peptide corresponding to a sequence at the C-terminus of human HLA-C(38-62aa EYWDRETQKYKRQAQADRVNLRKLR).

Purification
Immunogen affinity purified.

Cross Reactivity
No cross reactivity with other proteins.

Storage	**At -20˚C for one year. After r˚Constitution, 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.**

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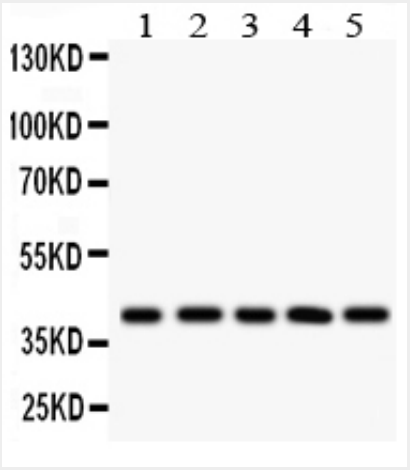
Anti-HLA-C Picoband Antibody - Protein Information

Anti-HLA-C Picoband Antibody - Protocols

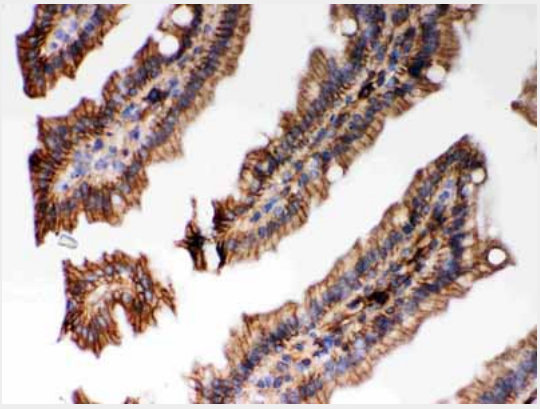
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-HLA-C Picoband Antibody - Images



Anti- HLA-C Picoband antibody, ABO12068, Western blottingAll lanes: Anti HLA-C (ABO12068) 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



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

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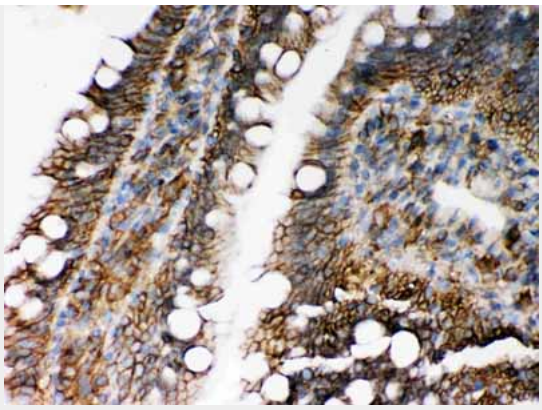
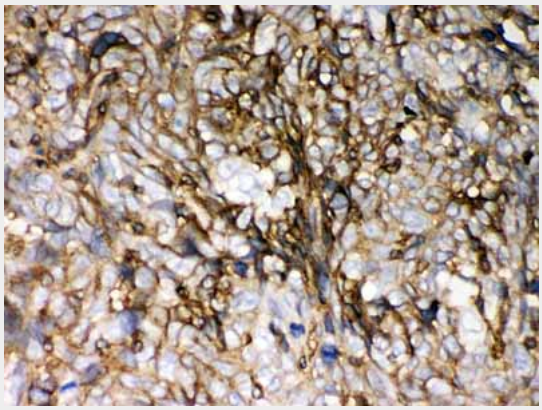
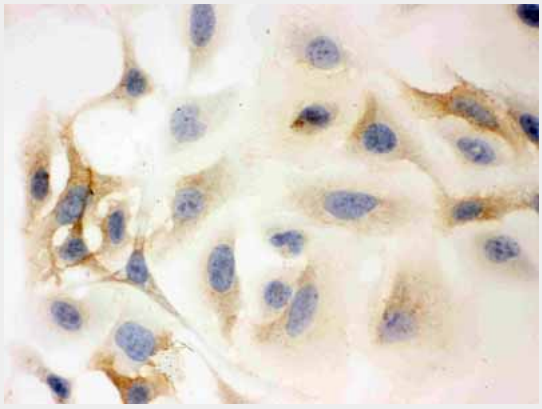


Anti- HLA-C Picoband antibody, ABO12068,IHC(P)IHC(P): Rat Intestine Tissue



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



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

Anti-HLA-C Picoband Antibody - 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.