

Datasheet for ABIN7426466
anti-HLA-C antibody (AA 48-305)

2 Images

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Overview

Quantity:	100 µL
Target:	HLA-C
Binding Specificity:	AA 48-305
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This HLA-C antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Purpose:	Monoclonal Antibody to Major Histocompatibility Complex Class I C (MHCC)
Immunogen:	Recombinant Major Histocompatibility Complex Class I C (MHCC) corresponding to Ser48~Thr305 (Accession # P10321)
Clone:	C4
Isotype:	IgG1 kappa
Specificity:	The antibody is a mouse monoclonal antibody raised against MHCC. It has been selected for its ability to recognize MHCC in immunohistochemical staining and western blotting.
Cross-Reactivity:	Pig
Purification:	Protein A + Protein G affinity chromatography

Target Details

Target:	HLA-C
Alternative Name:	Major Histocompatibility Complex Class I C (HLA-C Products)
Background:	MHC-C, HLAC, HLA-JY3, HLC-C, HLA-C, PSORS1 Leukocyte Antigen C, HLA class I histocompatibility antigen, Cw-7 alpha chain
Pathways:	Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , Human Leukocyte Antigen (HLA) in Adaptive Immune Response

Application Details

Application Notes:	Western blotting: 0.2-2 µg/mL 1:500-5000 Immunohistochemistry: 5-20 µg/mL 1:50-200 Immunocytochemistry: 5-20 µg/mL 1:50-200 Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Restrictions:	For Research Use only

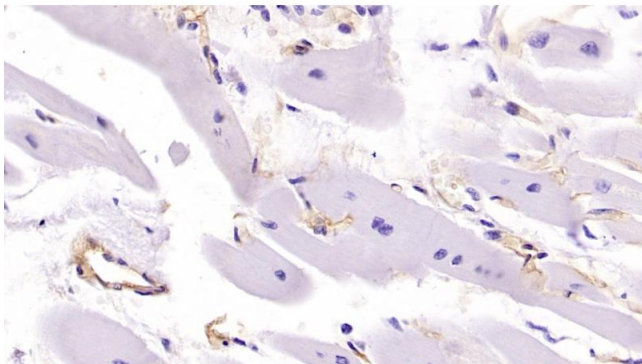
Handling

Format:	Liquid
Buffer:	PBS, pH 7.4, containing 0.02 % Sodium azide, 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months



Western Blotting

Image 1. Detection of MHCC in HeLa cell lysate using Monoclonal Antibody to Major Histocompatibility Complex Class I C (MHCC)



Immunohistochemistry

Image 2. Detection of MHCC in Human Cardiac Muscle Tissue using Monoclonal Antibody to Major Histocompatibility Complex Class I C (MHCC)