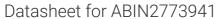
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anti-HLA-F antibody (N-Term)

2 Images



Go to Product page

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Quantity:	100 μL
Target:	HLA-F (HLAF)
Binding Specificity:	N-Term
Reactivity:	Human, Pig, Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HLA-F antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human HLA-F
Sequence:	EAGSHTLQGM NGCDMGPDGR LLRGYHQHAY DGKDYISLNE DLRSWTAADT
Predicted Reactivity:	Cow: 93%, Human: 100%, Pig: 100%
Characteristics:	This is a rabbit polyclonal antibody against HLA-F. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	HLA-F (HLAF)
Alternative Name:	HLA-F (HLAF Products)

Background:

HLA-F belongs to the HLA class I heavy chain paralogues. It is a non-classical heavy chain that forms a heterodimer with a beta-2 microglobulin light chain, with the heavy chain anchored in the membrane. Unlike most other HLA heavy chains, this molecule is localized in the endoplasmic reticulum and Golgi apparatus, with a small amount present at the cell surface in some cell types. It contains a divergent peptide-binding groove, and is thought to bind a restricted subset of peptides for immune presentation. This gene belongs to the HLA class I heavy chain paralogues. It encodes a non-classical heavy chain that forms a heterodimer with a beta-2 microglobulin light chain, with the heavy chain anchored in the membrane. Unlike most other HLA heavy chains, this molecule is localized in the endoplasmic reticulum and Golgi apparatus, with a small amount present at the cell surface in some cell types. It contains a divergent peptide-binding groove, and is thought to bind a restricted subset of peptides for immune presentation. This gene exhibits few polymorphisms. Multiple transcript variants encoding different isoforms have been found for this gene. These variants lack a coding exon found in transcripts from other HLA paralogues due to an altered splice acceptor site, resulting in a shorter cytoplasmic domain.

Alias Symbols: CDA12, HLA-5.4, HLA-CDA12, HLAF

Protein Interaction Partner: UBC, LILRB2, LILRB1, TAP1, HLA-F, B2M,

Protein Size: 442

Molecular Weight: 48 kDa

Gene ID: 3134

NCBI Accession: NM_001098479, NP_001091949

UniProt: P30511

Pathways: Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process,

Human Leukocyte Antigen (HLA) in Adaptive Immune Response

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 442 AA

Restrictions: For Research Use only

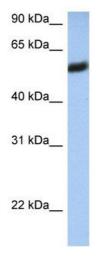
Handling

Format: Liquid

Handling

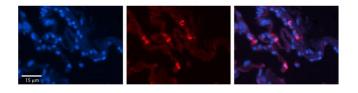
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-HLA-F Antibody Titration: 0.2-1 ug/ml Positive Control: 721_B cell lysate HLA-F is strongly supported by BioGPS gene expression data to be expressed in Human 721_B cells



Immunohistochemistry

Image 2. Rabbit Anti-HLA-F Antibody Formalin Fixed Paraffin Embedded Tissue: Human Lung Tissue Observed Staining: Membrane and cytoplasmic in alveolar type I cells Primary Antibody Concentration: 1:100 Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 - 2.0 sec