Datasheet for ABIN2855938

anti-KLRK1 antibody (Internal Region)

2 Images

Go to Product page

Overview

Quantity:	100 µL
Target:	KLRK1
Binding Specificity:	Internal Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KLRK1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Carrier-protein conjugated synthetic peptide encompassing a sequence within the center region of human NKG2D. The exact sequence is proprietary.
Isotype:	IgG
Characteristics:	Rabbit Polyclonal antibody to NKG2D (killer cell lectin-like receptor subfamily K, member 1) NKG2D antibody [N3C2], Internal
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	KLRK1
Alternative Name:	NKG2D (KLRK1 Products)

Target Details

Background:	Natural killer (NK) cells are lymphocytes that can mediate lysis of certain tumor cells and virus-infected cells without previous activation. They can also regulate specific humoral and cell-mediated immunity. NK cells preferentially express several calcium-dependent (C-type) lectins, which have been implicated in the regulation of NK cell function. This gene encodes a member of the NKG2 family, and the encoded transmembrane protein is characterized by a type II membrane orientation (extracellular C terminus) and the presence of a C-type lectin domain. The NKG2 gene family is located within the NK complex, a region that contains several C-type lectin genes preferentially expressed in NK cells. Cellular Localization: Membrane, Single-pass type II membrane protein
Molecular Weight:	25 kDa
Gene ID:	22914
Pathways:	Activation of Innate immune Response, Cellular Response to Molecule of Bacterial Origin, Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process

Application Details

Application Notes:	Suggested dilution Reference IHC (Formalin-fixed paraffin-embedded sections) 1:100-1:1000* Western blot 1:500-1:3000* Not tested in other applications. *Optimal dilutions/concentrations should be determined by the researcher.Suggested dilutionReferenceIHC (Formalin-fixed paraffin-embedded sections)1:100-1:1000* Western blot1:500-1:3000*
Comment:	Positive Control: human spleen
Restrictions:	For Research Use only

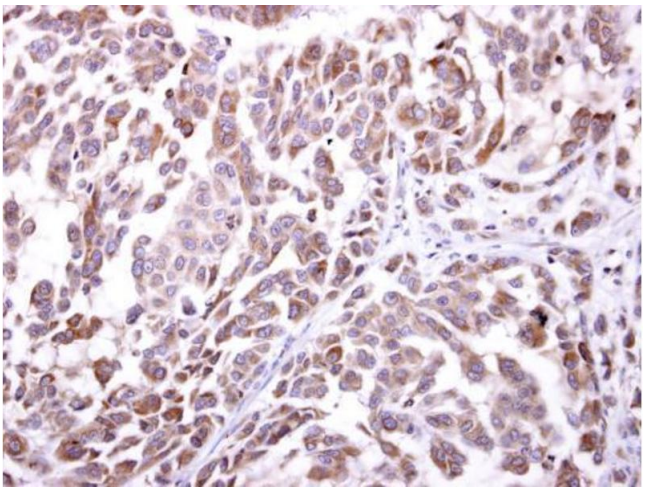
Handling

Format:	Liquid
Concentration:	0.82 mg/mL
Buffer:	0.1M Tris, 0.1M Glycine, 20 % Glycerol (pH 7). 0.01 % Thimerosal was added as a preservative.
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C

Handling

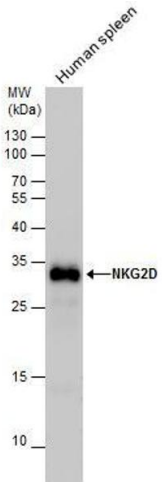
Storage Comment:	Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Images



Immunohistochemistry

Image 1. IHC-P Image NKG2D antibody [N3C2], Internal detects NKG2D protein at cytosol on human lung carcinoma by immunohistochemical analysis. Sample: Paraffin-embedded human lung carcinoma. NKG2D antibody [N3C2], Internal , dilution: 1:250.



Western Blotting

Image 2. WB Image NKG2D antibody detects NKG2D protein by western blot analysis. Human tissue extracts (30 µg) was separated by 12 % SDS-PAGE, and the membrane was blotted with NKG2D antibody , at a dilution of 1:1000.