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Datasheet for ABIN6991052
anti-KLRA1 antibody (AA 140-190)

Overview

Quantity:	0.1 mg
Target:	KLRA1
Binding Specificity:	AA 140-190
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KLRA1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	KLRA1 antibody was raised against a 13 amino acid synthetic peptide near the center of human KLRA1. The immunogen is located within amino acids 140 - 190 of KLRA1.
Isotype:	IgG
Specificity:	At least three isoforms of KLRA1 are known to exist, this antibody recognizes only the long isoform.
Purification:	KLRA1 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	KLRA1
Alternative Name:	KLRA1 (KLRA1 Products)

Target Details

Background: KLRA1 Antibody: KLRA1 (also known as Ly49L) is a member of the LY49 family of receptors in Natural Killer (NK) cells that bind to major histocompatibility complex (MHC) class 1. These proteins are classified as either activating or inhibitory receptors based on whether they possess an immunoreceptor tyrosine-based inhibitory motif (ITIM) in their cytoplasmic region (for inhibitory receptors), or an immunoreceptor tyrosine-based activation motif (ITAM) that transmits activating signals resulting in phosphorylation of several substrates. KLRA1 is thought to be an activating receptor, inducing DAP12 phosphorylation in response to antibody-mediated cross-linking of KLRA1 on NK cells.

Gene ID: 10748

Application Details

Application Notes: KLRA1 antibody can be used for detection of KLRA1 by Western blot at 1 - 2 $\mu\text{g}/\text{mL}$. Antibody can also be used for immunocytochemistry starting at 4 $\mu\text{g}/\text{mL}$. For immunofluorescence start at 20 $\mu\text{g}/\text{mL}$.

Antibody validated: Western Blot in mouse samples, Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: KLRA1 Antibody is supplied in PBS containing 0.02 % sodium azide.

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: -20 °C, 4 °C

Storage Comment: KLRA1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.