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Datasheet for ABIN6991047  
**anti-KLRA1 antibody (C-Term)**

### Overview

Quantity:	0.1 mg
Target:	KLRA1
Binding Specificity:	AA 190-240, C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KLRA1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

### Product Details

Immunogen:	KLRA1 antibody was raised against a 13 amino acid synthetic peptide near the carboxy terminus of human KLRA1. The immunogen is located within amino acids 190 - 240 of KLRA1.
Isotype:	IgG
Purification:	KLRA1 Antibody is affinity chromatography purified via peptide column.

### Target Details

Target:	KLRA1
Alternative Name:	KLRA1 ( <a href="#">KLRA1 Products</a> )
Background:	KLRA1 Antibody: KLRA1 (also known as Ly49L) is a member of the LY49 family of receptors on Natural killer (NK) cells that bind to major histocompatibility complex (MHC) class 1. These

## Target Details

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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. At least three isoforms of KLRA1 are known to exist.

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Gene ID: 10748

## Application Details

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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 immunohistochemistry starting at 2.5  $\mu\text{g}/\text{mL}$ . For immunofluorescence start at 20  $\mu\text{g}/\text{mL}$ .

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

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Restrictions: For Research Use only

## Handling

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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.