BOSTER BIOLOGICAL TECHNOLOGY
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Anti-KLRA1 KLRA1P Antibody

Catalog Number: A33934-1

About KLRA1P

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.

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Overview

Product Name	Anti-KLRA1 KLRA1P Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-KLRA1 KLRA1P Antibody (Catalog # A33934-1). Tested in ELISA, WB, ICC, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, ICC, WB
Clonality	Polyclonal
Formulation	KLRA1 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	KLRA1 antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	EAW96194

Technical Details

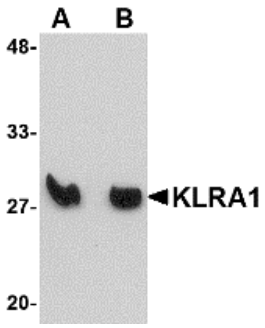
Immunogen	KLRA1 antibody was raised against a 13 amino acid synthetic peptide near the center of human KLRA1. The immunogen is located within amino acids 140 - 190 of KLRA1.
Predicted Reactive Species	Human
Cross Reactivity	At least three isoforms of KLRA1 are known to exist; this antibody recognizes only the long isoform.

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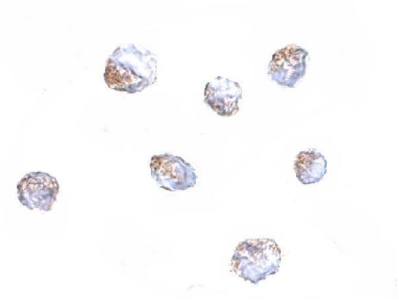
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	KLRA1 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	KLRA1 antibody can be used for detection of KLRA1 by Western blot at 1 - 2 ug/mL. Antibody can also be used for immunocytochemistry starting at 4 ug/mL. For immunofluorescence start at 20 ug/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. Optimal dilutions for each application should be determined by the researcher.

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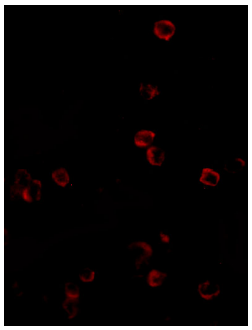
Anti-KLRA1 KLRA1P Antibody (A33934-1) Images



Western blot analysis of KLRA1 in mouse spleen tissue lysate with KLRA1 antibody at (A) 1 ug/mL and (B) 2 ug/mL.



Immunocytochemistry of KLRA1 in 293 cells with KLRA1 antibody at 4 ug/mL.



Immunofluorescence of KLRA1 in 293 cells with KLRA1 antibody at 20 ug/mL.

Anti-KLRA1 KLRA1P Antibody

For Research Use Only. Not for use in diagnostic procedures.