

KLRA3 Antibody

Catalog # ASC10836

Product Information

Application	WB, E
Primary Accession	Q64329
Other Accession	AAI32525 , 124376782
Reactivity	Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	31311
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	KLRA3 antibody can be used for detection of KLRA3 by Western blot at 2 μ g/mL.

Additional Information

Gene ID	16634
Other Names	Killer cell lectin-like receptor 3, 5E6, Lymphocyte antigen 49c, Ly-49c, Nk2.1, T-cell surface glycoprotein Ly-49C, Klra3, Ly-49c, Ly49C
Target/Specificity	Klra3; This antibody may cross-react with other LY49 receptors.
Reconstitution & Storage	KLRA3 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.
Precautions	KLRA3 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Klra3
Synonyms	Ly-49c, Ly49C
Function	Receptor on natural killer (NK) cells for class I MHC.
Cellular Location	Membrane; Single-pass type II membrane protein.

Background

KLRA3 Antibody: KLRA3 (also known as Ly49C) 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. KLRA3 is thought to be an inhibitory receptor, recognizing peptide-receptive H-2Kb.

References

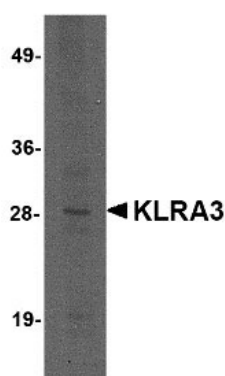
Gosselin P, Lusignan Y, Brennan J, et al. The NK2.1 receptor is encoded by Ly-49C and its expression is regulated by MHC class I alleles. *Int. Immunol.* 1997; 533-40.

Smith HR, Karlhofer FM, and Yokoyama WM. Ly-49 multigene family expressed by IL-2-activated NK cells. *J. Immunol.* 1994; 153:1068-79.

Brennan J, Mager D, Jefferies W, et al. Expression of different members of the Ly-49 gene family defines distinct natural killer cell subsets and cell adhesion properties. *J. Exp. Med.* 1994; 180:2287-95.

Su R-C, Kung SK, Silver ET, et al. Ly-49CB6 NK inhibitory receptor recognizes peptide-receptive H-2Kb. *J. Immunol.* 1999; 163:5319-30.

Images



Western blot analysis of KLRA3 in mouse brain tissue lysate with KLRA3 antibody at 2 µg/mL.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.