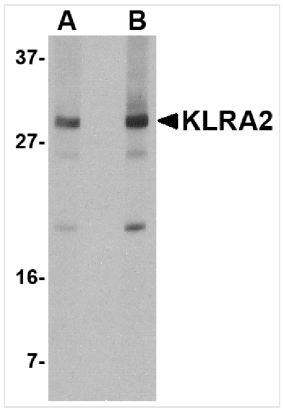
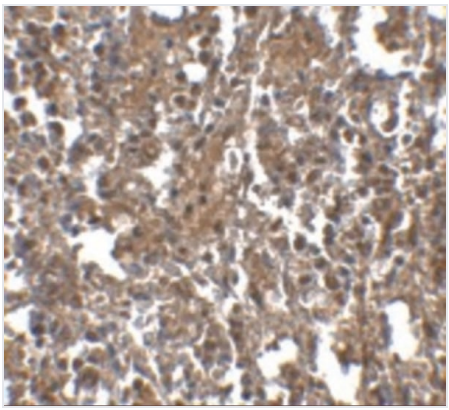
KLRA2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	KLRA2, Polyclonal Antibody
Full Product Name	KLRA2 Antibody
Product Gene Name	anti-Klra2 antibody
Product Synonym Names	KLRA2; Ly49b; Klra30; Ly49-b; Ly49b; Killer cell lectin-like receptor 2; Lymphocyte antigen 49b; Ly-49b; killer cell lectin-like receptor, subfamily A, member 2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Mouse, Rat
Form/Format	Liquid
Purity/Purification	KLRA2 Antibody is affinity chromatography purified via peptide column.
Concentration	1 mg/mL (lot specific)
Preparation and Storage	KLRA2 antibody can be stored at 4 degree C for three months and -20 degree 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.
Antibody/Peptide Pairs	KLRA2 peptide (MBS151999) is used for blocking the activity of KLRA2 antibody (MBS150508)
Molecular Weight	33,607 Da
3D Structure	ModBase 3D Structure for Q60660
Conjugate	Unconjugated
Immunogen	KLRA2 antibody was raised against a 14 amino acid synthetic peptide near the carboxy terminus of mouse KLRA2.
Buffer	KLRA2 Antibody is supplied in PBS containing 0.02% sodium azide.
Applications Tested/Suitable for anti-Klra2 antibody	ELISA (EIA), Western Blot (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)
Application Notes for anti-Klra2 antibody	KLRA2 antibody can be used for detection of KLRA2 by Western blot at 0.5 - 1 mug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 mug/mL. For immunofluorescence start at 20 mug/mL.
Related Product Information for anti-Klra2 antibody	KLRA2 Antibody: KLRA2 (also known as Ly49B) 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. KLRA2 is thought to be an inhibitory receptor and associates with the protein tyrosine phosphatases SHP1, SHP2, and SHIP in transfected cells. This antibody is predicted to not cross-react with other LY49 receptors.
Other Notes	Small volumes of anti-Klra2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for Klra2 purchase	MBS150508 is an antibody targeting Klra2. Also known as KLRA2 Antibody. Reactive in Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-Klra2 antibody
Western blot analysis of KLRA2 in mouse spleen tissue lysate with KLRA2 antibody at (A) 0.5 and (B) 1 ?g/mL.



Immunohistochemistry (IHC) of anti-Klra2 antibody
Immunohistochemistry of KLRA2 in mouse spleen tissue with KLRA2 antibody at 2.5 ?g/mL.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Klra2. It may not necessarily be applicable to this product.

NCBI GI #	2497636
NCBI GeneID	16633
NCBI Accession #	Q60660.1
UniProt Primary Accession #	Q60660
UniProt Related Accession #	Q60660
NCBI Official Full Name	Killer cell lectin-like receptor 2
NCBI Official Synonym Full Names	killer cell lectin-like receptor, subfamily A, member 2
NCBI Official Symbol	Klra2
NCBI Official Synonym Symbols	Ly49b; Klra30
UniProt Protein Name	Killer cell lectin-like receptor 2
UniProt Synonym Protein Names	Lymphocyte antigen 49b; Ly-49b; T-cell surface glycoprotein Ly-49B
Protein Family	Killer cell lectin-like receptor
UniProt Gene Name	Klra2
UniProt Synonym Gene Names	Ly49-b; Ly49b; Ly-49b
UniProt Entry Name	KLRA2_MOUSE
NCBI Protein Information	killer cell lectin-like receptor 2; ly-49b; lymphocyte antigen 49b; membrane protein Ly49b; NK cell inhibitory receptor Klra2; T-cell surface glycoprotein Ly49b; T-cell surface glycoprotein Ly-49B; killer cell lectin-like receptor subfamily A member 30
NCBI Summary for Klra2	The gene is a member of the large lectin-like type 2 transmembrane receptor family of the natural killer gene complex. The gene is located distantly telomeric to its family's gene cluster on chromosome 6. The gene differs from the other genes in its cluster as its promoter region contains long and short interspersed repetitive elements suggesting a possible rearrangement or gene conversion. It is unknown whether this gene's encoded protein is involved with natural killer cell differentiation as are its other family members. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2010]

UniProt Comments for Klra2	KLRA1: Protein type: Membrane protein, integral Cellular Component: membrane; integral to membrane; plasma membrane Molecular Function: carbohydrate binding Biological Process: cell adhesion
Research Articles on Klra2	**1.** BALB/c, but not the C57, isoform of Ly49B displays promiscuous MHC class I binding.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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