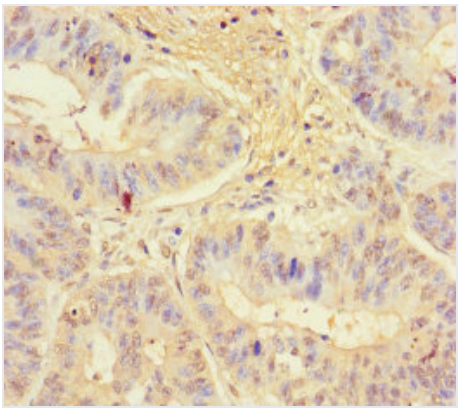
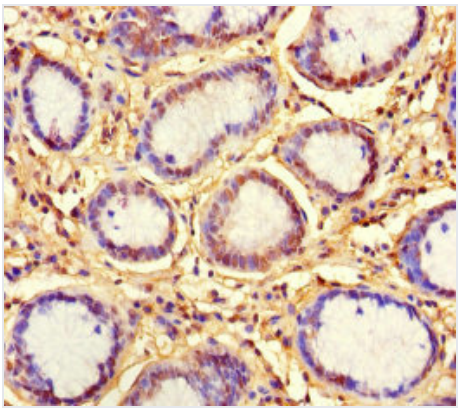
Killer Cell Lectin-Like Receptor Subfamily G Member 1 (KLRG1) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Killer cell lectin-like receptor subfamily G member 1 (KLRG1), Polyclonal Antibody
Full Product Name	Rabbit anti-human Killer cell lectin-like receptor subfamily G member 1 polyclonal Antibody
Product Gene Name	anti-KLRG1 antibody
Product Synonym Names	C-type lectin domain family 15 member A; ITIM-containing receptor MAFA-L; MAFA-like receptor; Mast cell function-associated antigen; CLEC15A; MAFA; MAFAL
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Purity/Purification	Caprylic Acid Ammonium Sulfate Precipitation Purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: KLRG1 (MBS1490591) FITC Conjugated Antibody: KLRG1 (MBS1488330)
Matching Pairs	Unconjugated Antibody: KLRG1 (MBS1490591) Biotin Conjugated Antibody: KLRG1 (MBS1490692)
Matching Pairs	Unconjugated Antibody: KLRG1 (MBS1490591) HRP Conjugated Antibody: KLRG1 (MBS1491063)
Molecular Weight	21,206 Da
OMIM	604874
3D Structure	ModBase 3D Structure for Q96E93
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Conjugate	Non-conjugated
Immunogen	Recombinant human Killer cell lectin-like receptor subfamily G member 1 protein
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-KLRG1 antibody	ELISA (EIA), Immunohistochemistry (IHC)
Related Product Information for anti-KLRG1 antibody	Plays an inhibitory role on natural killer (NK) cells and T-cell functions upon binding to their non-MHC ligands. May mediate missing self recognition by binding to a highly conserved site on classical cadherins, enabling it to monitor expression of E-cadherin/CDH1, N-cadherin/CDH2 and R-cadherin/CDH4 on target cells.
Other Notes	Small volumes of anti-KLRG1 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 KLRG1 purchase	MBS1490591 is an antibody targeting KLRG1. Also known as Rabbit anti-human Killer cell lectin-like receptor subfamily G member 1 polyclonal Antibody. Reactive in Human. Host: Rabbit.



Immunohistochemistry (IHC) of anti-KLRG1 antibody
Immunohistochemistry of paraffin-embedded human colon cancer using MBS1490591 at dilution of 1:100



Immunohistochemistry (IHC) of anti-KLRG1 antibody
Immunohistochemistry of paraffin-embedded human gastric cancer using MBS1490591 at dilution of 1:100

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for KLRG1. It may not necessarily be applicable to this product.

NCBI GI #	47717096
NCBI GeneID	10219
NCBI Accession #	NP_005801.3
UniProt Primary Accession #	Q96E93
UniProt Secondary Accession #	O43198; O75613; B7ZAM2
UniProt Related Accession #	Q96E93
GenBank Nucleotide #	NM_005810.3
NCBI Official Full Name	killer cell lectin-like receptor subfamily G member 1
NCBI Official Synonym Full Names	killer cell lectin like receptor G1
NCBI Official Symbol	KLRG1
NCBI Official Synonym Symbols	2F1; MAFA; MAFA-L; CLEC15A; MAFA-2F1; MAFA-LIKE
UniProt Protein Name	Killer cell lectin-like receptor subfamily G member 1
UniProt Synonym Protein Names	C-type lectin domain family 15 member A; ITIM-containing receptor MAFA-L; MAFA-like receptor; Mast cell function-associated antigen
Protein Family	Killer cell lectin-like receptor subfamily
UniProt Gene Name	KLRG1
UniProt Synonym Gene Names	CLEC15A; MAFA; MAFAL
UniProt Entry Name	KLRG1_HUMAN
NCBI Protein Information	killer cell lectin-like receptor subfamily G member 1
NCBI Summary for KLRG1	Natural killer (NK) cells are lymphocytes that can mediate lysis of certain tumor cells and virus-infected cells without previous activation. They can also regulate specific humoral and cell-mediated immunity. The protein encoded by this gene belongs to the killer cell lectin-like receptor (KLR) family, which is a group of transmembrane proteins preferentially expressed in NK cells. Studies in mice suggested that the expression of this gene may be regulated by MHC class I molecules. Alternatively spliced transcript variants have been reported, but their full-length natures have not yet been determined. [provided by RefSeq, Jul 2008]

UniProt Comments for KLRG1	KLRG1: Plays an inhibitory role on natural killer (NK) cells and T-cell functions upon binding to their non-MHC ligands. May mediate missing self recognition by binding to a highly conserved site on classical cadherins, enabling it to monitor expression of E-cadherin/CDH1, N-cadherin/CDH2 and R-cadherin/CDH4 on target cells. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral Chromosomal Location of Human Ortholog: 12p13.31 Cellular Component: integral to membrane; plasma membrane Molecular Function: carbohydrate binding; protein binding; receptor activity Biological Process: cell surface receptor linked signal transduction; cellular defense response; inflammatory response; innate immune response; regulation of immune response
Research Articles on KLRG1	**1.** This finding provides a rationale for the reciprocal expression of KLRG1 and CD103 in different CD8(+) T-cell subsets.
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