ERAP2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ERAP2, Polyclonal Antibody
Full Product Name	ERAP2 Antibody, FITC Conjugated
Product Gene Name	anti-ERAP2 antibody
Product Synonym Names	Endoplasmic reticulum aminopeptidase 2; EC 3.4.11.-; Leukocyte-derived arginine aminopeptidase; L-RAP; ERAP2; LRAP
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95% Protein G Purified
Preparation and Storage	Upon receipt, store at-20 degree C or-80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: ERAP2 (MBS7112928) FITC Conjugated Antibody: ERAP2 (MBS7112930)
Molecular Weight	60,952 Da
3D Structure	ModBase 3D Structure for Q6P179
Immunogen Species	Human
Immunogen	Recombinant Human Endoplasmic reticulum aminopeptidase 2 protein (406-522AA)
Conjugate	FITC
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, pH 7.4
Product Categories/Family for anti-ERAP2 antibody	Immunology
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-ERAP2 antibody	ELISA (EIA)
Related Product Information for anti-ERAP2 antibody	MBS7112930 is an antibody targeting ERAP2. Also known as ERAP2 Antibody, FITC Conjugated. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-ERAP2 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ERAP2. It may not necessarily be applicable to this product.

NCBI GI #	194306629
NCBI GeneID	64167
NCBI Accession #	NP_001123612.1
UniProt Primary Accession #	Q6P179
UniProt Secondary Accession #	Q7Z5K1; Q8TD32; Q8WVJ4; Q9HBX2
UniProt Related Accession #	Q6P179
GenBank Nucleotide #	NM_001130140.2
NCBI Official Full Name	endoplasmic reticulum aminopeptidase 2 isoform 1
NCBI Official Synonym Full Names	endoplasmic reticulum aminopeptidase 2
NCBI Official Symbol	ERAP2
NCBI Official Synonym Symbols	LRAP; L-RAP
UniProt Protein Name	Endoplasmic reticulum aminopeptidase 2
UniProt Synonym Protein Names	Leukocyte-derived arginine aminopeptidase; L-RAP
Protein Family	Endoplasmic reticulum aminopeptidase
UniProt Gene Name	ERAP2
UniProt Synonym Gene Names	LRAP; L-RAP
NCBI Protein Information	endoplasmic reticulum aminopeptidase 2
NCBI Summary for ERAP2	This gene encodes a zinc metalloaminopeptidase of the M1 protease family that resides in the endoplasmic reticulum and functions in N-terminal trimming antigenic epitopes for presentation by major histocompatibility complex (MHC) class I molecules. Certain mutations in this gene are associated with the inflammatory arthritis syndrome ankylosing spondylitis and pre-eclampsia. This gene is located adjacent to a closely related aminopeptidase gene on chromosome 5. [provided by RefSeq, Jul 2016]
UniProt Comments for ERAP2	Aminopeptidase that plays a central role in peptide trimming, a step required for the generation of most HLA class I-binding peptides. Peptide trimming is essential to customize longer precursor peptides to fit them to the correct length required for presentation on MHC class I molecules. Preferentially hydrolyzes the basic residues Arg and Lys.
Research Articles on ERAP2	**1.** Increased aminopeptidase expression governed by altered transcript dynamics at both ERAP1 and ERAP2 is a key mechanism driving the degree to which these enzymes contribute to immune-mediated disease.
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