



ERAP2 Polyclonal Antibody

Catalog No	YP-Ab-07016
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	ERAP2 LRAP
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	ERAP2 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ERAP2;FLJ23633;FLJ23701;FLJ23807;L RAP;LRAP;ERAP2 LRAP; Endoplasmic reticulum aminopeptidase 2 (EC 3.4.11.-) (Leukocyte-derived arginine aminopeptidase) (L-RAP)
Observed Band	110-120 kDa
Calculated Molecular Weight	110 kDa
Cell Pathway	Endoplasmic reticulum membrane ; Single-pass type II membrane protein .
Tissue Specificity	Ubiquitously expressed. Highly expressed in spleen and leukocytes.
Function	cofactor: Binds 1 zinc ion per subunit.,function: 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.,induction: By IFN-gamma.,miscellaneous: Defects in the expression of this gene may cause improper antigen processing, possibly leading to favor tumor escape from the immune surveillance.,PTM: N-glycosylated.,similarity: Belongs to the peptidase M1 family.,subunit: Heterodimer; with ERAP1.,tissue specificity: Ubiquitously expressed. Highly expressed in spleen and leukocytes.,

Background

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],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images