

ERAP1 Monoclonal Antibody | anti-ERAP1 antibody

ERAP1 Rabbit mAb

CATALOG # AAA314311	HOST Recombinant Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

ERAP1; Monoclonal Antibody; ERAP1 Rabbit mAb; ALAP; A-LAP; ARTS1; ERAAP; APPILS; ARTS-1; ERAAP1; PILSAP; PILS-AP; anti-ERAP1 antibody

PRODUCT SPECIFICATIONS

Host	Recombinant Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	S06-1H3
Purity/Purification	Affinity Purified
Form/Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Concentration	0.3mg/ml (varies by lot)
Applicable Applications for anti-ERAP1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide of human ARTS1
Conjugation	Unconjugated
Modification	Unmodification
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of ARTS1 in paraffin-embedded Human lung cancer tissue using ARTS1 Rabbit mAb at dilution 1/50



WB (Western Blot)

Western blot detection of ARTS1/ERAP1 in HeLa, C6, Jurkat cell lysates using ARTS1/ERAP1 Rabbit mAb(1:500 diluted). Predicted band size: 107kDa. Observed band size: 107kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-ERAP1 antibody

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. Strongly prefers substrates 9-16 residues long. Rapidly degrades 13-mer to a 9-mer and then stops. Preferentially hydrolyzes the residue Leu and peptides with a hydrophobic C-terminus, while it has weak activity toward peptides with charged C-terminus. May play a role in the inactivation of peptide hormones. May be involved in the regulation of blood pressure through the inactivation of angiotensin II and/or the generation of bradykinin in the kidney.

NCBI AND UNIPROT INFORMATION

NCBI GI #	94818891
NCBI GeneID	51752
NCBI Accession #	NP_001035548.1
NCBI GenBank Nucleotide #	NM_001040458.1
UniProt Accession #	Q9NZ08; O60278; Q6UWY6; Q8NEL4; Q8TAD0; Q9UHF8; Q9UKY2
Molecular Weight	107,235 Da
NCBI Official Full Name	endoplasmic reticulum aminopeptidase 1 isoform b
NCBI Official Synonym Full Names	endoplasmic reticulum aminopeptidase 1
NCBI Official Symbol	ERAP1
NCBI Official Synonym Symbols	ALAP; A-LAP; ARTS1; ERAAP; APPILS; ARTS-1; ERAAP1; PILSAP; PILS-AP
NCBI Protein Information	endoplasmic reticulum aminopeptidase 1; aminopeptidase PILS; adipocyte-derived leucine aminopeptidase; aminopeptidase regulator of TNFR1 shedding; puromycin-insensitive leucyl-specific aminopeptidase; endoplasmic reticulum aminopeptidase associated with a
UniProt Protein Name	Endoplasmic reticulum aminopeptidase 1
UniProt Gene Name	ERAP1
UniProt Synonym Gene Names	APPILS; ARTS1; KIAA0525; A-LAP; PILS-AP
UniProt Entry Name	ERAP1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.