

Rabbit anti-Human ERAP1 Polyclonal Antibody | anti-ERAP1 antibody

ERAP1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327464	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

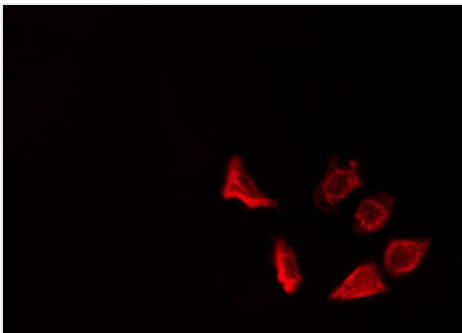
PRODUCT SYNONYMS

ERAP1; Polyclonal Antibody; ERAP1 Antibody; A LAP; A-LAP; Adipocyte derived leucine aminopeptidase; Adipocyte-derived leucine aminopeptidase; ALAP; Aminopeptidase PILS; Aminopeptidase regulator of TNFR1 shedding; APPILS; ARTS 1; ARTS-1; Arts1; Endoplasmic reticulum aminopeptidase 1; Endoplasmic reticulum aminopeptidase associated with antigen processing; ERAAP; ERAAP1; ERAP 1; Erap1; ERAP1_HUMAN; KIAA0525; kiaa0525 protein; PILS AP; PILS-AP; PILSA; PILSAP; Puromycin insensitive leucyl specific aminopeptidase; Puromycin-insensitive leucyl-specific aminopeptidase; Type 1 tumor necrosis factor receptor shedding aminopeptidase regulator; type 1 tumor necrosis factor receptors shedding aminopeptidase regulator; VEGF-induced aminopeptidase; anti-ERAP1 antibody

PRODUCT SPECIFICATIONS

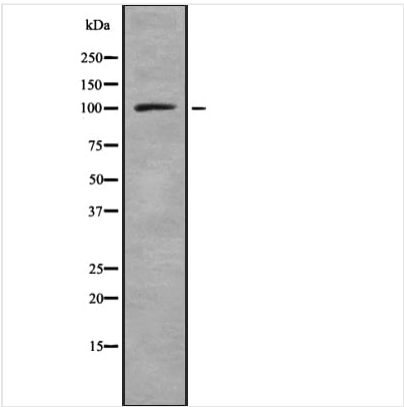
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	ERAP1 antibody detects endogenous levels of total ERAP1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	941
Applicable Applications for anti-ERAP1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ERAP1
Subcellular Location	Endoplasmic Reticulum Membrane.
Tissue Specificity	Ubiquitous.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (91%), Bovine (91%), Horse (91%), Sheep (91%), Rabbit (82%), Dog (100%), Chicken (82%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA327464 staining HepG2 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of ERAP1 using COLO205 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-ERAP1 antibody	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. 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. Subunit Structure: Monomer. May also exist as a heterodimer; with ERAP2. Interacts with RBMX. Post-translational Modifications: N-glycosylated. Similarity: Belongs to the peptidase M1 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	94818891
NCBI GeneID	51752
NCBI Accession #	NP_001035548.1
NCBI GenBank Nucleotide #	NM_001040458.2
UniProt Accession #	Q9NZ08; O60278; Q6UWY6; Q8NEL4; Q8TAD0; Q9UHF8; Q9UKY2
Molecular Weight	Observed: 107 kDa Predicted: 108 kDa
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
UniProt Protein Name	Endoplasmic reticulum aminopeptidase 1
UniProt Gene Name	ERAP1
UniProt Synonym Gene Names	APPILS; ARTS1; KIAA0525; A-LAP; PILS-AP

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/erap1-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/327464>