

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

ERAP1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40656	Rabbit	Human, Mouse	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

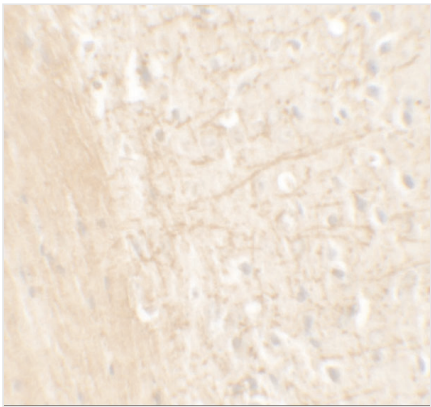
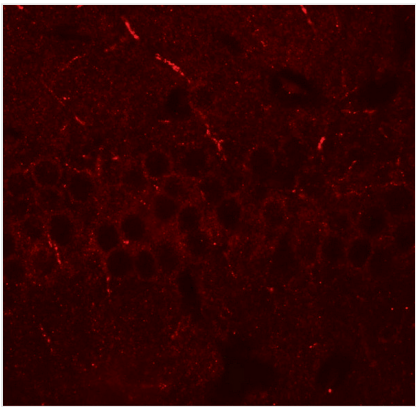
PRODUCT SYNONYMS

ERAP1; Polyclonal Antibody; ERAP1 Antibody; ERAP1 Antibody : ALAP; A-LAP; ARTS1; ERAAP; APPILS; ARTS-1; ERAAP1; PILSAP; PILS-AP; KIAA0525; UNQ584/PRO1154; Endoplasmic reticulum aminopeptidase 1; endoplasmic reticulum aminopeptidase 1; anti-ERAP1 antibody

PRODUCT SPECIFICATIONS

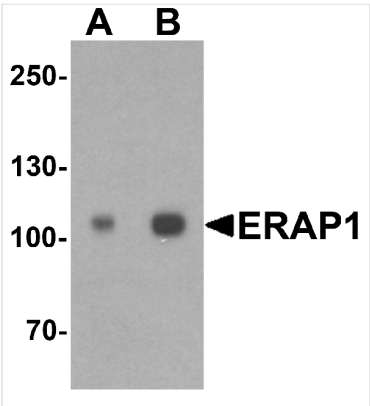
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	ERAP1 antibody is human and mouse reactive. At least two isoforms of ERAP1 are known to exist; this antibody will detect both isoforms. ERAP1 antibody is predicted to not cross-react with ERAP2.
Purity/Purification	ERAP1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	948
Applicable Applications for anti-ERAP1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	ERAP1 antibody was raised against a 19 amino acid peptide near the carboxy terminus of human ERAP.
Buffer	ERAP1 Antibody is supplied in PBS containing 0.02% sodium azide.
Homology	Predicted species reactivity based on immunogen sequence: Rat: (78%)
Positive Control	SK-N-SH Cell lysate
Preparation and Storage	ERAP1 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year.

IMAGES



IF (Immunofluorescence)
Immunofluorescence of ERAP1 in mouse brain tissue with ERAP1 antibody at 20 μ g/mL.

IHC (Immunohistochemistry)
Immunohistochemistry of ERAP1 in mouse brain tissue with ERAP1 antibody at 5 μ g/mL.



WB (Western Blot)
Western blot analysis of ERAP1 in SK-N-SH cell lysate with ERAP1 antibody at (A) 1 and (B) 2 μ g/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-ERAP1 antibody	The endoplasmic reticulum (ER) aminopeptidase 1 (ERAP1), a member of the peptidase M1 family, plays a central role in peptide trimming, a step required for the generation of most HLA class I-binding peptides (1,2). It is also designated as adipocyte-derived leucine aminopeptidase (A-LAP), puromycin-insensitive leucine-specific aminopeptidase (PILS-AP) and aminopeptidase regulator of TNFR1 shedding (ARTS-1) (3). ERAP1 is localized to the lumen of the ER and induced by interferon. It may be involved in the regulation of blood pressure through the inactivation of angiotensin II and/or the generation of bradykinin in the kidney (3,4).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	94818901
NCBI GeneID	51752
NCBI Accession #	NP_057526
NCBI GenBank Nucleotide #	NM_016442.3
UniProt Accession #	Q9NZ08; O60278; Q6UWY6; Q8NEL4; Q8TAD0; Q9UHF8; Q9UKY2
Molecular Weight	Predicted: 104 kDa Observed: 105kDa
NCBI Official Full Name	endoplasmic reticulum aminopeptidase 1 isoform a

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 1 delta-Exon-11 isoform; endoplasmic reticulum aminopeptidase 1 delta-Exon-13 isoform; endoplasmic reticulum aminopeptidase 1 delta-Exon-14 isoform; endoplasmic reticulum aminopeptidase 1 delta-Exon-15 isoform; endoplasmic reticulum aminopeptidase associated with antigen processing; type 1 tumor necrosis factor receptor shedding aminopeptidase regulator
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/erap1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/40656>