

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

ERAP1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA233755	Rabbit	Human	Immunofluorescence, Immunohistochemistry, ELISA

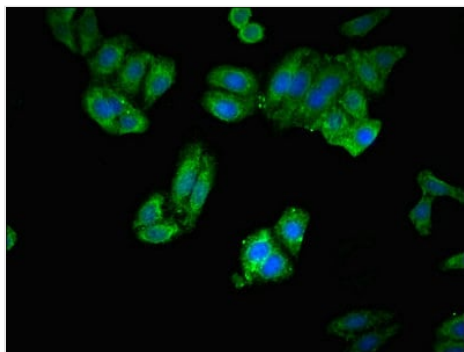
PRODUCT SYNONYMS

ERAP1; Polyclonal Antibody; ERAP1 Antibody; Endoplasmic reticulum aminopeptidase 1; ARTS-1; Adipocyte-derived leucine aminopeptidase; A-LAP; Aminopeptidase PILS; Puromycin-insensitive leucyl-specific aminopeptidase; PILS-AP; Type 1 tumor necrosis factor receptor shedding aminopeptidase regulator; APPILS; ARTS1; KIAA0525; UNQ584/PRO1154; anti-ERAP1 antibody

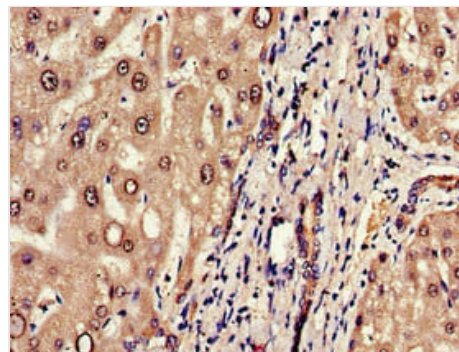
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	941
Applicable Applications for anti-ERAP1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human Endoplasmic reticulum aminopeptidase 1 protein (642-941AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

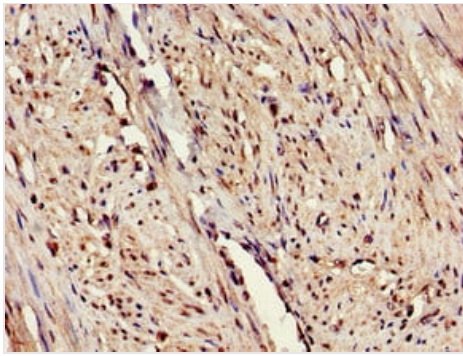
IMAGES


IHC (Immunohistochemistry)

Immunofluorescent analysis of HepG2 cells using AAA233755 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human liver tissue using AAA233755 at dilution of 1:100



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human endometrial cancer using AAA233755 at dilution of 1:100

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.
Product Categories/Family for anti-ERAP1 antibody	Cardiovascular; Cell biology; Immunology

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	107,841 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
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.