

Rabbit ERAP1 Polyclonal Antibody | anti-ERAP1 antibody

Anti-ERAP1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA17830	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, Immunoprecipitation

PRODUCT SYNONYMS

ERAP1; Polyclonal Antibody; Anti-ERAP1 Antibody; APPILS; ARTS1; KIAA0525; 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; anti-ERAP1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	Recognizes endogenous levels of ERAP1 protein.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Sequence Length	941
Applicable Applications for anti-ERAP1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), IP (Immunoprecipitation)
Application Notes	WB (1/500 - 1/1000), IH (1/100 - 1/200), IF/ICC (1/100 - 1/500), IP (1/10 - 1/100)
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human ERAP1. The exact sequence is proprietary.
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescent analysis of ERAP1 staining in NIH3T3 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



IHC (Immunohistochemistry)

Immunohistochemical analysis of ERAP1 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



WB (Western Blot)

Western blot analysis of ERAP1 expression in THP1 (A), NIH3T3 (B), rat kidney (C) whole cell lysates.

ADDITIONAL INFORMATION

Related Product Information for anti-ERAP1 antibody	Rabbit polyclonal antibody to ERAP1
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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	107,841 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; 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/erap1-antibody-western-blot-immunohistochemistry-immunofluorescence-immunocytochemistry-immunoprecipitation-elisa/17830>