Anti-ERAP1 Rabbit mAb

Purified Rabbit Monoclonal Antibody

Catalog # R013412

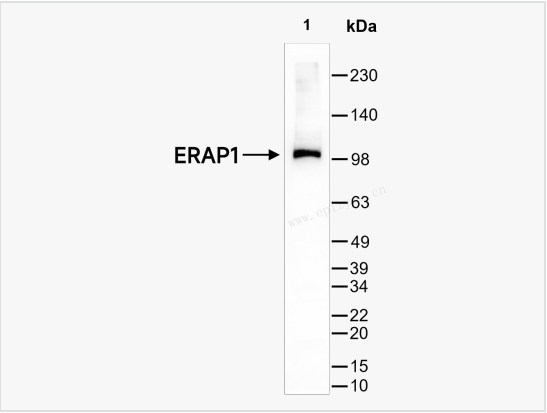
Product Information

Application	ELISA, WB, IHC-P/IF (Tissue-P)
Reactivity	Human, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	28L04L76
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic peptide of human ARTS1
Format	Buffer System: 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA Purification: Affinity Purified.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-ERAP1 antibody [28L04L76] is for research use only and not for use in diagnostic or therapeutic procedures.

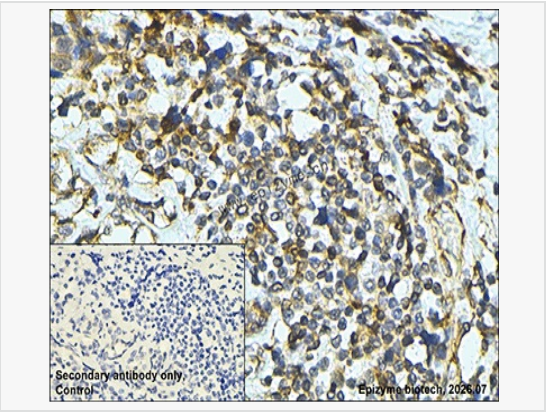
Protein Information

Synonyms	ERAP1; 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 facto.
Calculated MW	Calculated MW: 107 kDa; Observed MW: 107 kDa
Uniprot ID	Q9NZ08
Gene ID	51752
Background	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.

Validation Images



Western Blot - Anti-ERAP1 Rabbit mAb [28L04L76]
All lanes: R013412 at 1:1,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 107 kDa
Observed band size: 107 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-ERAP1 Rabbit mAb [28L04L76]
Sample: Paraformaldehyde-fixed, paraffin embedded human breast cancer tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R013412 at 1:100 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.