

ERAP1 Rabbit mAb

Catalog No: #52158

Package Size: #52158-1 50ul #52158-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

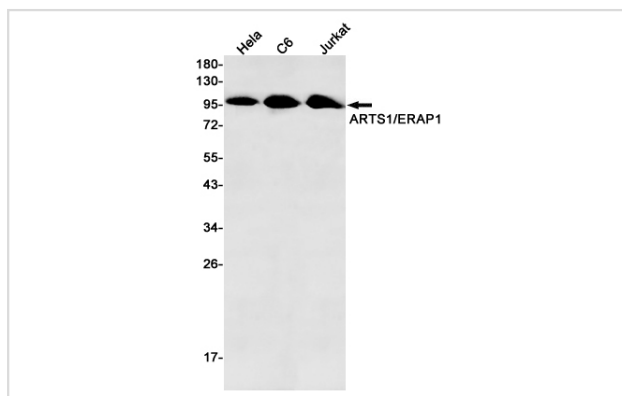
Description

Product Name	ERAP1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S06-1H3
Isotype	Rabbit IgG
Purification	Affinity Purified
Applications	WB IHC
Species Reactivity	Human,Mouse,Rat
Immunogen Description	A synthetic peptide of human ARTS1
Conjugates	Unconjugated
Modification	Unmodification
Other Names	ALAP; A-LAP; ARTS1; ERAAP; APPILS; ARTS-1; ERAAP1; PILSAP; PILS-AP
Accession No.	Swiss-Prot:Q9NZ08GeneID:51752
Uniprot	Q9NZ08
GeneID	51752
Calculated MW	Calculated MW: 107 kDa; Observed MW: 107 kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

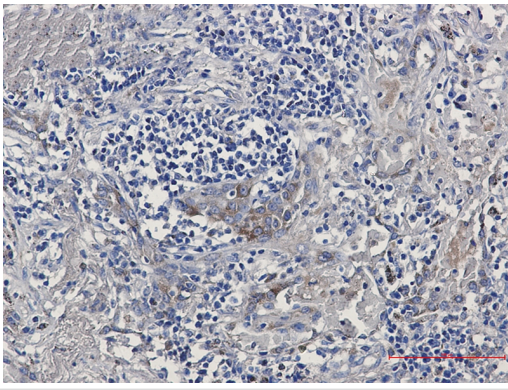
Application Details

WB: 1/1000-1/2000; IHC: 1/20-1/50;

Images



Western blot detection of ARTS1/ERAP1 in HeLa,C6,Jurkat cell lysates using ARTS1/ERAP1 Rabbit mAb(1:500 diluted).Predicted band size:107kDa.Observed band size:107kDa.



Immunohistochemistry of ARTS1 in paraffin-embedded Human lung cancer tissue using ARTS1 Rabbit mAb at dilution 1/50

Background

Swiss-Prot Acc.Q9NZ08.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.

Note: This product is for in vitro research use only