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Datasheet for ABIN873313
anti-ERAP1 antibody (AA 651-730)

Overview

Quantity:	100 µL
Target:	ERAP1
Binding Specificity:	AA 651-730
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ERAP1 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human ARTS1
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Mouse,Rat,Dog,Cow,Sheep,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	ERAP1
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Target Details

Alternative Name: ARTS1 ([ERAP1 Products](#))

Background: Synonyms: Endoplasmic reticulum aminopeptidase 1, A LAP, A-LAP, Adipocyte derived leucine aminopeptidase, Adipocyte-derived leucine aminopeptidase, ALAP, Aminopeptidase PILS, APPILS, ARTS 1, ARTS-1, Arts1, Endoplasmic reticulum aminopeptidase 1, ERAAP, ERAP 1, Erap1, ERAP1_HUMAN, PILS AP, PILS-AP, PILSA, PILSAP, Puromycin insensitive leucyl specific aminopeptidase, Puromycin-insensitive leucyl-specific aminopeptidase, Type 1 tumor necrosis factor receptor shedding aminopeptidase regulator, VEGF-induced aminopeptidase.

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. 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.

Gene ID: 51752

Application Details

Application Notes: ELISA 1:500-1000
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months