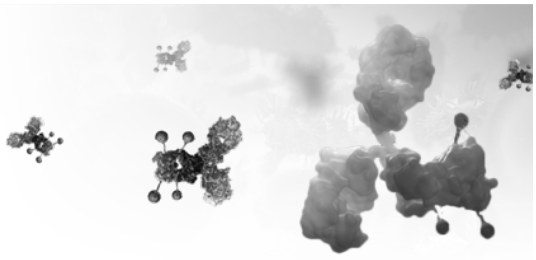

Rabbit anti-Human ARTS1 polyclonal antibody (DPABH-08712)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	Synthetic peptide conjugated to KLH, from an internal region of Human ARTS1 (NP_057526.3).
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A purified
Conjugate	Unconjugated
Applications	IHC-P
Format	Liquid
Size	50 µg
Buffer	Constituent: 99% PBS
Preservative	0.1% Sodium Azide

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Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

GENE INFORMATION

Gene Name	ERAP1 endoplasmic reticulum aminopeptidase 2 [Homo sapiens]
Official Symbol	ERAP1
Synonyms	ERAP1; endoplasmic reticulum aminopeptidase 1; ALAP; A-LAP; ARTS1; ERAAP; APPILS; ARTS-1; ERAAP1; PILSAP; PILS-AP; aminopeptidase PILS; adipocyte-derived leucine aminopeptidase; aminopeptidase regulator of TNFR1 shedding; puromycin-insensitive leucyl-specific aminopeptidase; endoplasmic reticulum aminopeptidase associated with antigen processing; type 1 tumor necrosis factor receptor shedding aminopeptidase regulator;
Entrez Gene ID	51752
Protein Refseq	NP_001035548.1
UniProt ID	Q9NZ08
Pathway	Adaptive Immune System; Class I MHC mediated antigen processing & presentation;
Function	aminopeptidase activity; interleukin-1, Type II receptor binding; interleukin-6 receptor binding; metalloexopeptidase activity

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