

产品名称: ERAP1 Rabbit Polyclonal Antibody
产品货号: AP Rab10564



产品概述 (Summary)

产品名称 (Production Name)	ERAP1 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	ERAP1 ERAP1; APPILS; ARTS1; KIAA0525; Endoplasmic reticulum aminopeptidase 1;
别名 (Alternative Names)	ARTS-1; Adipocyte-derived leucine aminopeptidase; A-LAP; Aminopeptidase PILS; Puromycin-insensitive leucyl-specific aminopeptidase; PILS-AP; Type 1 tumor necrosis facto
基因 ID (Gene ID)	51752.0
蛋白 ID (SwissProt ID)	Q9NZ08.The antiserum was produced against synthesized peptide derived from human ARTS-1. AA range:441-490

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:10000-1:20000
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蛋白分子量 (Molecular Weight) 107kDa

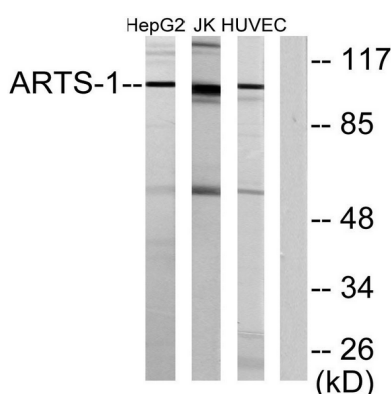
研究背景 (Background)

The protein encoded by this gene is an aminopeptidase involved in trimming HLA class I-binding precursors so that they can be presented on MHC class I molecules. The encoded protein acts as a monomer or as a heterodimer with ERAP2. This protein may also be involved in blood pressure regulation by inactivation of angiotensin II. Three transcript variants encoding two different isoforms have been found for this gene.[provided by RefSeq, Oct 2010],catalytic activity:Release of an N-terminal amino acid, Xaa-[Xbb-, in which Xaa is preferably Leu, but may be other amino acids including Met, Cys and Phe.,caution:It is uncertain whether Met-1 or Met-13 is the initiator.,cofactor:Binds 1 zinc ion per subunit.,function: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.,induction:By IFN-gamma.,PTM:N-glycosylated.,similarity:Belongs to the peptidase M1 family.,subunit:Monomer. May also exist as a heterodimer; with ERAP2.,tissue specificity:Ubiquitous.,

研究领域 (Research Area)

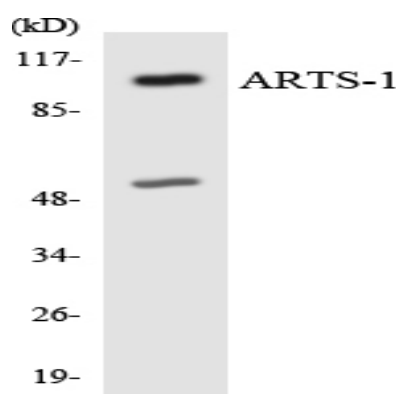
Immunology

图片 (Image Data)



Western blot analysis of lysates from HepG2, Jurkat, and HUVEC cells, using ARTS-1 Antibody. The lane on the right is blocked with the synthesized peptide.

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Western blot analysis of the lysates from HepG2 cells using ARTS-1 antibody.



Western Blot analysis of various cells using ERAP1 Polyclonal Antibody diluted at 1: 500

注意事项 (Note)

For research use only .