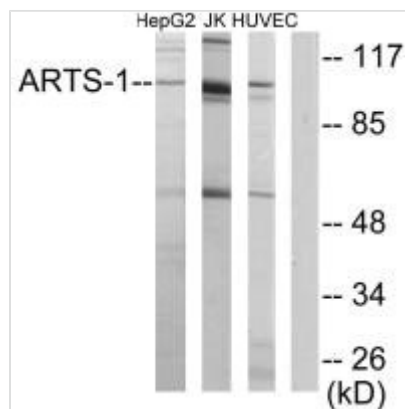




ERAP1 Antibody

Product Code	CSB-PA987708
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	Q9NZ08
Immunogen	Synthesized peptide derived from internal of Human ARTS-1.
Raised In	Rabbit
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous levels of total ARTS-1 protein.
Tested Applications	ELISA,WB;WB:1:500-1:3000
Relevance	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. Hattori A., J. Biochem. 130:235-241(2001). Nakajima D., DNA Res. 9:99-106(2002). Clark H.F., Genome Res. 13:2265-2270(2003).
Form	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Alias	A- LAP; APPILS; ARTS-1; Adipocyte-derived leucine aminopeptidase precursor; Aminopeptidase PILS
Product Type	Polyclonal Antibody
Species	Homo sapiens (Human)
Target Names	ERAP1
Image	



Western blot analysis of extracts from HepG2 cells, Jurkat cells and HUVEC cells, using ARTS-1 antibody.