**OriGene Technologies, Inc.**
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

# Product datasheet for TA326650

## ARTS1 (ERAP1) Rabbit Polyclonal Antibody

### Product data:

| | |
|---|---|
| **Product Type:** | Primary Antibodies |
| **Applications:** | IF, IHC, WB |
| **Recommended Dilution:** | WB: 1 - 2 ug/mL |
| **Reactivity:** | Human, Mouse |
| **Host:** | Rabbit |
| **Isotype:** | IgG |
| **Clonality:** | Polyclonal |
| **Immunogen:** | ERAP1 antibody was raised against a 19 amino acid peptide near the carboxy terminus of human ERAP. |
| **Formulation:** | ERAP1 Antibody is supplied in PBS containing 0.02% sodium azide. |
| **Concentration:** | 1 mg/ml |
| **Purification:** | ERAP1 Antibody is affinity chromatography purified via peptide column. |
| **Conjugation:** | Unconjugated |
| **Storage:** | Store at -20°C as received. |
| **Stability:** | Stable for 12 months from date of receipt. |
| **Predicted Protein Size:** | Predicted: 104 kDa; Observed: 105 kDa |
| **Gene Name:** | endoplasmic reticulum aminopeptidase 1 |
| **Database Link:** | NP_057526<br>Entrez Gene 80898 MouseEntrez Gene 51752 Human<br>Q9NZ08 |
| **Background:** | The endoplasmic reticulum (ER) aminopeptidase 1 (ERAP1), a member of the peptidase M1 family, plays a central role in peptide trimming, a step required for the generation of most HLA class I-binding peptides (1,2). It is also designated as adipocyte-derived leucine aminopeptidase (A-LAP), puromycin-insensitive leucine-specific aminopeptidase (PILS-AP) and aminopeptidase regulator of TNFR1 shedding (ARTS-1) (3). ERAP1 is localized to the lumen of the ER and induced by interferon. It may be involved in the regulation of blood pressure through the inactivation of angiotensin II and/or the generation of bradykinin in the kidney (3,4). |

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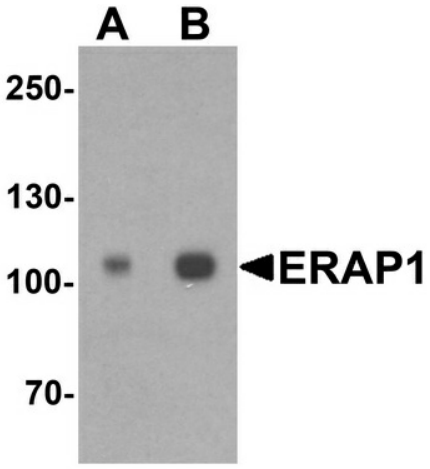
**Synonyms:** A-LAP; ALAP; APPILS; ARTS-1; ARTS1; ERAAP; ERAAP1; PILS-AP; PILSAP

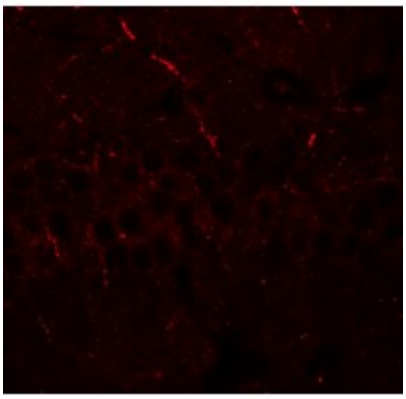
**Protein Families:** Druggable Genome, Protease, Secreted Protein

## Product images:




Western blot analysis of ERAP1 in SK-N-SH cell lysate with ERAP1 antibody at (A) 1 and (B) 2 ug/ml.

Immunohistochemistry of ERAP1 in mouse brain tissue with ERAP1 antibody at 5 ug/mL.



Immunofluorescence of ERAP1 in mouse brain tissue with ERAP1 antibody at 20 ug/mL.