# Anti-ERAP1 Rabbit Polyclonal Antibody

# Catalog #: 50903

## Aliases

APPILS; ARTS1; KIAA0525; Endoplasmic reticulum aminopeptidase 1; ARTS-1; Adipocyte-derived leucine aminopeptidase; A-LAP; Aminopeptidase PILS; Puromycin-insensitive leucyl-specific aminopeptidase; PILS-AP; Type 1 tumor necrosis factor receptor shedding aminopeptidase regulator

## Background

Gene Name: ERAP1
NCBI Gene Entry: 51752
UniProt Entry: Q9NZ08

## Application Information

Molecular Weight: Predicted, 107 kDa; observed, 107 kDa
Clonality: Rabbit polyclonal antibody
Species Reactivity: Human, mouse, rat
Applications Tested: Western blotting (WB), immunohistochemistry (IHC), immunocytochemistry (IC)

## Immunogen

A synthesized peptide derived from human ERAP1

## Isotype

Rabbit IgG

## Storage Buffer

Supplied in PBS (pH 7.3) containing 30% glycerol, and 0.01% sodium azide.

## Storage

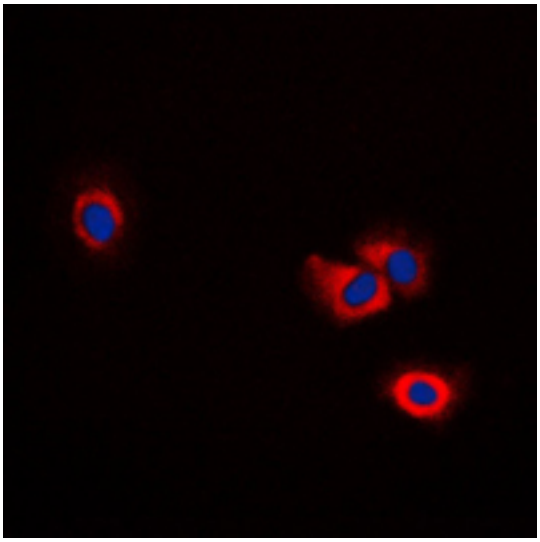
Store at -20 °C for one year.

## Recommended Dilutions

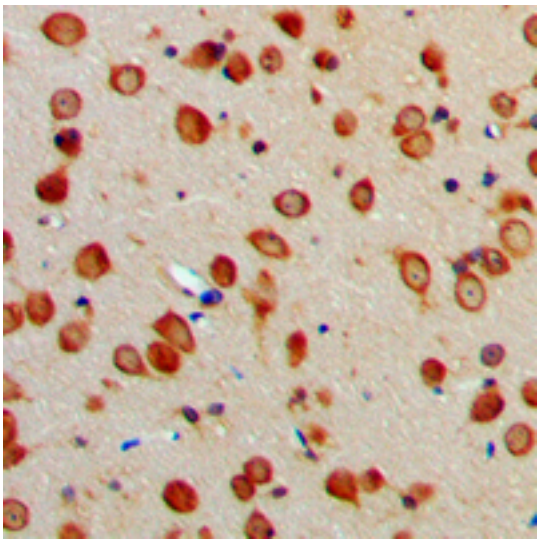
Western Blotting (WB): 1:500-1:1,000
Immunohistochemistry (IHC): 1:50-1:100
Immunocytochemistry (IC): 1:50-1:200

**Note:** This product is for research use only.

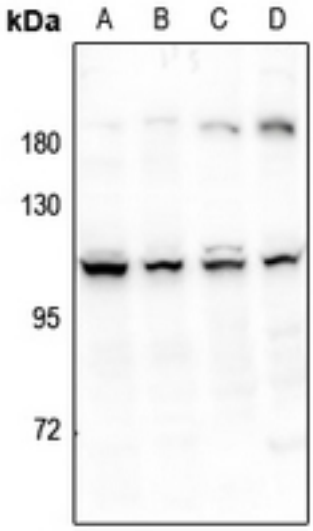
## Validation Data



Immunocytochemical analysis of ERAP1 staining in NIH3T3 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



Immunohistochemical analysis of ERAP1 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.




Western blotting analysis of ERAP1 expression in HepG2 (A), HEK293T (B), PC12 (C), AML12 (D) whole cell lysates.