

ERAP2 / Aminopeptidase Antibody (N-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS16771**Specification**

ERAP2 / Aminopeptidase Antibody (N-Terminus) - Product Information

Application	IHC, IF, WB
Primary Accession	Q6P179
Other Accession	64167
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	110462

ERAP2 / Aminopeptidase Antibody (N-Terminus) - Additional Information**Gene ID** 64167**Other Names**

ERAP2, Aminopeptidase, L-RAP, LRAP

Target/Specificity

ERAP2 antibody is human, mouse and rat reactive. Multiple isoforms of ERAP2 are known to exist. ERAP2 antibody is predicted to not cross-react with ERAP1.

Reconstitution & Storage

PBS, 0.02% sodium azide. Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions

ERAP2 / Aminopeptidase Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

ERAP2 / Aminopeptidase Antibody (N-Terminus) - Protein Information**Name** ERAP2**Synonyms** LRAP**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. Preferentially hydrolyzes the basic residues Arg and Lys.

Cellular Location

Endoplasmic reticulum membrane; Single-pass type II membrane protein

Tissue Location

Ubiquitously expressed. Highly expressed in spleen and leukocytes.

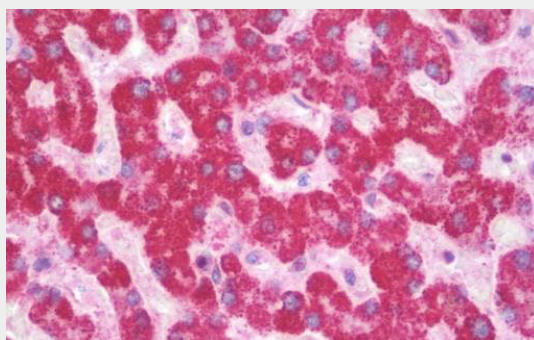
ERAP2 / Aminopeptidase Antibody (N-Terminus) - Protocols

Provided below are standard protocols that you may find useful for product applications.

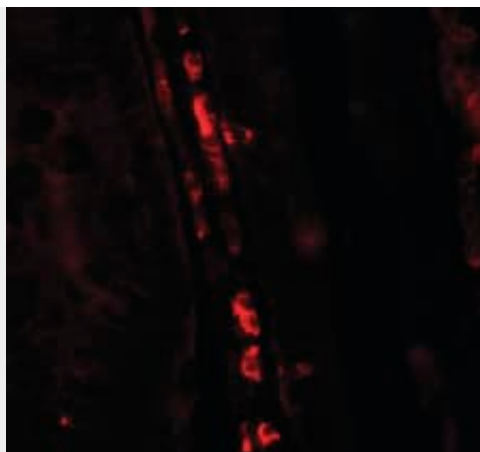
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ERAP2 / Aminopeptidase Antibody (N-Terminus) - Images

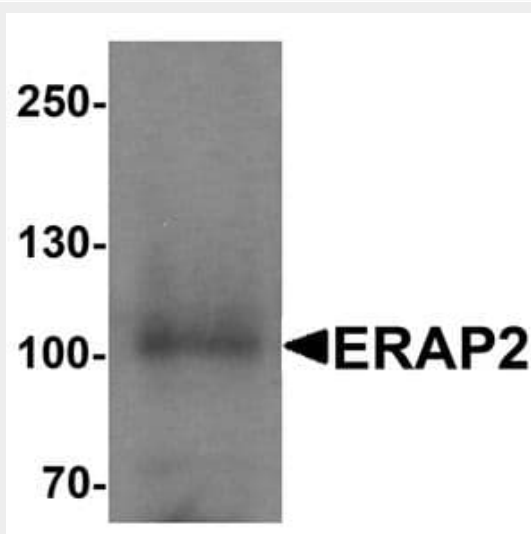
Anti-ERAP2 / Aminopeptidase antibody IHC staining of human kidney.



Anti-ERAP2 / Aminopeptidase antibody IHC staining of human liver.



Immunofluorescence of ERAP2 in rat small intestine tissue with ERAP2 antibody at 5 ug/ml.



Western blot analysis of ERAP2 in rat small intestine tissue lysate with ERAP2 antibody at 1 ug/ml.

ERAP2 / Aminopeptidase Antibody (N-Terminus) - Background

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. Preferentially hydrolyzes the basic residues Arg and Lys.

ERAP2 / Aminopeptidase Antibody (N-Terminus) - References

- Tanioka T.,et al.J. Biol. Chem. 278:32275-32283(2003).
Tanioka T.,et al.FEBS J. 272:916-928(2005).
Schomburg L.,et al.Submitted (OCT-1999) to the EMBL/GenBank/DDBJ databases.
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Liu T.,et al.J. Proteome Res. 4:2070-2080(2005).