

Anti-ERAP1 Antibody (3T482)

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Clone:	3T482
Purification:	Affinity-chromatography

Applications

Verified Activity:	Western blot analysis of ERAP1 expression in K562 cell lysate.
Application:	IHC,WB
Recommended	IHC: 1:100-1:200; WB: 1:1000-1:2000

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthesized peptide: human ERAP1
Synonyms:	Aminopeptidase PILS;ERAP 1;Endoplasmic reticulum aminopeptidase 1;Erap1;ERAAP1;APPILS;ALAP;Arts1;ERAAP;PILSA;PILSAP

Research 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. 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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