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Datasheet for ABIN6991899
anti-ERAP1 antibody (C-Term)

Overview

Quantity:	0.1 mg
Target:	ERAP1
Binding Specificity:	AA 730-780, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ERAP1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	ERAP1 antibody was raised against a 19 amino acid peptide near the carboxy terminus of human ERAP. The immunogen is located within amino acids 730 - 780 of ERAP1 .
Isotype:	IgG
Specificity:	ERAP1 antibody is human and mouse reactive. At least two isoforms of ERAP1 are known to exist, this antibody will detect both isoforms. ERAP1 antibody is predicted to not cross-react with ERAP2.
Purification:	ERAP1 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	ERAP1
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Target Details

Alternative Name: ERAP1 ([ERAP1 Products](#))

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).

Molecular Weight: Predicted: 104 kDa

Observed: 105kDa

Gene ID: 51752

NCBI Accession: [NP_057526](#)

UniProt: [Q9NZ08](#)

Application Details

Application Notes: ERAP1 antibody can be used for detection of ERAP1 by Western blot at 1 - 2 μ g/mL.

Antibody validated: Western Blot in human samples, Immunohistochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: ERAP1 Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, 4 °C

Storage Comment: ERAP1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.
