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Datasheet for ABIN7298186 anti-ERAP1 antibody (Center)

3 Images



Overview

Quantity:	100 µL
Target:	ERAP1
Binding Specificity:	Center
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ERAP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunoprecipitation (IP), Immunochromatography (IC)

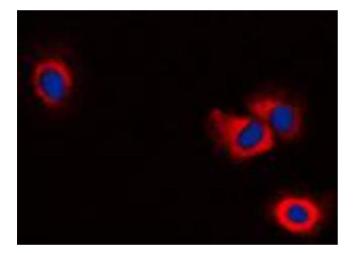
Product Details

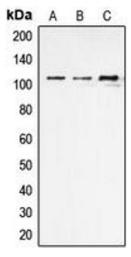
Immunogen:	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human ERAP1.
Specificity:	Recognizes endogenous levels of ERAP1 protein.
Characteristics:	Rabbit polyclonal antibody to ERAP1
Purification:	The antibody was purified by immunogen affinity chromatography.
Target Details	
Target:	ERAP1

Alternative Name: ERAP1 (ERAP1 Products)			
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Target Details		
Background:	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	
Gene ID:	51752, 80898, 80897	
UniProt:	Q9NZ08, Q9EQH2, Q9JJ22	
Application Details		
Application Notes:	WB (1:500 - 1:1000), IH (1:100 - 1:200), IF/IC (1:100 - 1:500), IP (1:10 - 1:100)	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Buffer:	Liquid in 0.42 % Potassium phosphate, 0.87 % Sodium chloride, pH 7.3, 30 % glycerol, and 0.01 % 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	
Storage Comment:	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.	
Expiry Date:	12 months	





Immunofluorescence

Image 1. Immunofluorescent 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).

Immunohistochemistry

Image 2. 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

Image 3. Western blot analysis of ERAP1 expression in THP1 (A), NIH3T3 (B), rat kidney (C) whole cell lysates.

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