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anti-DERL1 antibody (C-Term)

3 Images



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Quantity:	0.4 mL	
Target:	DERL1	
Binding Specificity:	AA 222-251, C-Term	
Reactivity:	Human, Mouse	
Host:	Rabbit	
Clonality:	Polyclonal	
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS), Enzyme Immunoassay (EIA)	

Product Details

Immunogen:	KLH conjugated synthetic peptide between 222~251 amino acids from the C-term region of Human Derlin-1 Genename: DERL1
Specificity:	This antibody recognizes Human and Mouse Derlin-1 at C-term. Other species not tested.
Purification:	Protein A column, followed by peptide affinity purification

Target Details

Target:	DERL1
Alternative Name:	Derlin-1 (DERL1 Products)
Background:	Functional component of endoplasmic reticulum-associated degradation (ERAD) for misfolded lumenal proteins. DERL1 may act by forming a channel that allows the retrotranslocation of
	misfolded proteins into the cytosol where they are ubiquitinated and degraded by the

proteasome. It may mediate the interaction between VCP and the degradation substrate. In
case of infection by cytomegaloviruses, it plays a central role in the export from the ER and
subsequent degradation of MHC class I heavy chains via its interaction with US11 viral protein,
which recognizes and associates with MHC class I heavy chains. Also participates in the
degradation process of misfolded cytomegalovirus US2 protein.Synonyms: DER1, DERL1,
DERtrin-1, Degradation in endoplasmic reticulum protein 1, Der1-like protein 1
70120

Gene ID: 79139

NCBI Accession: NP_001128143

UniProt: Q9BUN8

Pathways: ER-Nucleus Signaling

Application Details

Application Notes: ELISA: 1/1,000. Western blotting: 1/100 - 1/500.

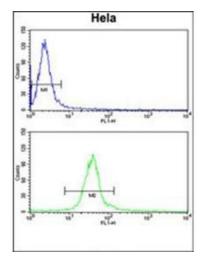
Other applications not tested.

Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

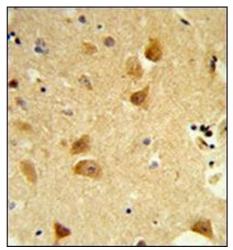
Handling

Format:	Liquid	
Concentration:	0.25 mg/mL	
Buffer:	PBS containing 0.09 % (W/V) Sodium Azide as preservative	
Preservative:	Sodium azide	
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Handling Advice:	Avoid repeated freezing and thawing.	
Storage:	4 °C/-20 °C	
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.	



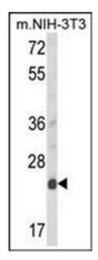
Flow Cytometry

Image 1. Flow cytometry analysis of Hela cells using DERL1 Antibody (C-term) Cat.-No AP17987PU-N (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Formalin-fixed and paraffin-embedded human brain tissue reacted with DERL1 Antibody (C-term) followed which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.



Western Blotting

Image 3. Western blot analysis of DERL1 Antibody (C-term) Cat.-No AP17987PU-N in NIH-3T3 cell line lysates (35ug/lane).