

DERL3 Rabbit pAb

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Catalog # AP55503

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q96Q80
Predicted	Rat, Pig, Human, Mouse, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Calculated MW	26679
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human DERL3
Epitope Specificity	51-150/235
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Endoplasmic reticulum membrane.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The protein encoded by this gene belongs to the derlin family, and resides in the endoplasmic reticulum (ER). Proteins that are unfolded or misfolded in the ER must be refolded or degraded to maintain the homeostasis of the ER. This protein appears to be involved in the degradation of misfolded glycoproteins in the ER. Several alternatively spliced transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq, Oct 2008]

Additional Information

Gene ID	91319
Other Names	Derlin-3, Degradation in endoplasmic reticulum protein 3, DERtrin-3, Der1-like protein 3, DERL3 (HGNC:14236)
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500 0-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	DERL3 (HGNC:14236)
Function	Functional component of endoplasmic reticulum-associated degradation (ERAD) for misfolded luminal glycoproteins, but not that of misfolded nonglycoproteins. May act by forming a channel that allows the retrotranslocation of misfolded glycoproteins into the cytosol where they are ubiquitinated and degraded by the proteasome. May mediate the interaction between VCP and the misfolded glycoproteins (PubMed: 16449189 , PubMed: 22607976). May be involved in endoplasmic reticulum stress-induced pre-emptive quality control, a mechanism that selectively attenuates the translocation of newly synthesized proteins into the endoplasmic reticulum and reroutes them to the cytosol for proteasomal degradation (PubMed: 26565908).
Cellular Location	Endoplasmic reticulum membrane; Multi-pass membrane protein
Tissue Location	Unlike DERL1 and DERL2, restricted to several tissues. Expressed at high levels in placenta, pancreas, spleen and small intestine.

Background

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.