SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Rabbit Anti-DERL3 antibody

SL14281R

Product Name	DERL3
Chinese Name	内质网退化蛋白 3 抗体
Alias	C22orf14; Degradation in endoplasmic reticulum protein 3; DER 3; Der1 like domain family member 3; Der1 like protein 3; Der1-like protein 3; DER3; DERL 3; DERL3_HUMAN; Derlin 3; Derlin 3 protein; Derlin-3; Derlin3; DERtrin 3; DERtrin-3; DERtrin3; IZP 6; IZP6; LLN 2; LLN2; MGC71803.
Research Area	Signal transduction Transporter
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted: Human, Mouse, Rat, Chicken, Pig, Cow, Rabbit,)
Applications	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	27kDa
Cellular localization	cytoplasmic
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human DERL3: 51-150/235
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

PubMed PubMed

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]

Function:
Functional component of endoplasmic reticulum-associated degradation (ERAD) for misfolded lumenal 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 degradation substrate.

Subcellular Location:
Endoplasmic reticulum membrane.

Tissue Specificity:
Unlike DERL1 and DERL2, restricted to several tissues. Expressed at high levels in placenta, pancreas, spleen and small intestine.

Product Detail

Similarity:
Belongs to the derlin family.

SWISS:
Q96Q80

Gene ID:
91319

Database links:

Entrez Gene: 91319 Human

Entrez Gene: 614334 Cow

Entrez Gene: 70377 Mouse

Omim: 610305 Human

SwissProt: Q0P5E4 Cow

SwissProt: Q96Q80 Human

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SwissProt: Q9D8K3 Mouse

Unigene: 593679 Human

Unigene: 275878 Mouse