

DERL2 / Derlin-2 Antibody
Rabbit Polyclonal Antibody
Catalog # ALS16850**Specification**

DERL2 / Derlin-2 Antibody - Product Information

Application	IHC, WB
Primary Accession	O9GZP9
Other Accession	51009
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	27567

DERL2 / Derlin-2 Antibody - Additional Information**Gene ID** 51009**Other Names**

DERL2, Carcinoma related, CGI-101, DER2, Derlin 2, Derlin-2, F-LANa, F-LAN-1, FLANa, Der1-like protein 2, DERtrin-2

Target/Specificity

DERL2 / Derlin-2

Reconstitution & Storage

PBS, pH 7.2, 50% glycerol. Store at -20°C.

Precautions

DERL2 / Derlin-2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

DERL2 / Derlin-2 Antibody - Protein Information**Name** DERL2 ([HGNC:17943](#))**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 misfolded glycoproteins (PubMed: [16186509](http://www.uniprot.org/citations/16186509), PubMed: [16449189](http://www.uniprot.org/citations/16449189)). May also 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](http://www.uniprot.org/citations/26565908))

target="_blank">26565908).

Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein

Tissue Location

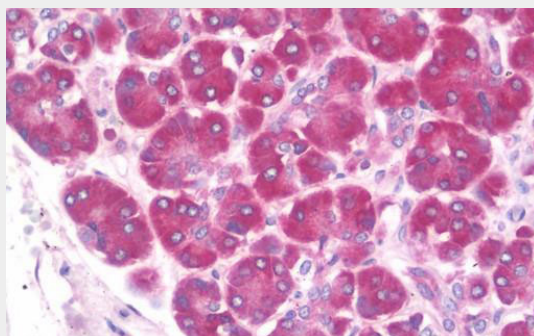
Ubiquitous. Overexpressed in various hepatocarcinomas.

DERL2 / Derlin-2 Antibody - Protocols

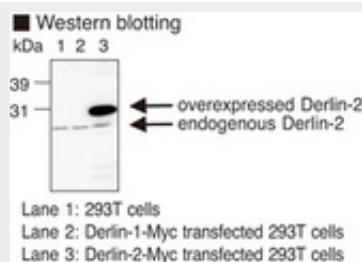
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

DERL2 / Derlin-2 Antibody - Images



Human Pancreas: Formalin-Fixed, Paraffin-Embedded (FFPE)



Lane1:293T cells; Lane2: Derlin-1-Myc transfected 293T cells; Lane3: Derlin-2-Myc transfected 293T cells.

DERL2 / Derlin-2 Antibody - Background

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 degradation substrate. In contrast to DERL1, it is not involved in the degradation of MHC class I

heavy chains following infection by cytomegaloviruses. May play a role in cell proliferation.

DERL2 / Derlin-2 Antibody - References

- Ying H.,et al.Biochem. Biophys. Res. Commun. 286:394-400(2001).
Lai C.-H.,et al.Genome Res. 10:703-713(2000).
Zhang W.,et al.Submitted (MAR-2000) to the EMBL/GenBank/DDBJ databases.
Ebert L.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
Lilley B.N.,et al.Nature 429:834-840(2004).