

Mouse Derl2 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19315b**Specification**

Mouse Derl2 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	Q8BNI4
Other Accession	NP_291040.1
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	27640
Antigen Region	191-219

Mouse Derl2 Antibody (C-term) - Additional Information**Gene ID** 116891**Other Names**

Derlin-2, Degradation in endoplasmic reticulum protein 2, Der1-like protein 2, F-LANa, Derl2, Der2, Flana

Target/Specificity

This Mouse Derl2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 191-219 amino acids from the C-terminal region of mouse Derl2.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Mouse Derl2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Mouse Derl2 Antibody (C-term) - Protein Information**Name** Derl2 {ECO:0000312|MGI:MGI:2151483}**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. 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.

Cellular Location

Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q9GZP9}; Multi-pass membrane protein {ECO:0000250|UniProtKB:Q9GZP9}

Tissue Location

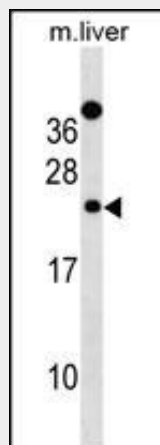
Widely expressed, with lowest levels in brain and heart.

Mouse Derl2 Antibody (C-term) - 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](#)

Mouse Derl2 Antibody (C-term) - Images



Mouse Derl2 Antibody (C-term)(Cat. #AP19315b) western blot analysis in mouse liver tissue lysates (35ug/lane). This demonstrates the Derl2 antibody detected the Derl2 protein (arrow).

Mouse Derl2 Antibody (C-term) - 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 (By similarity).

Mouse Derl2 Antibody (C-term) - References

Schaheen, B., et al. J. Cell. Sci. 122 (PT 13), 2228-2239 (2009) :
Oda, Y., et al. J. Cell Biol. 172(3):383-393(2006)
Lilley, B.N., et al. Proc. Natl. Acad. Sci. U.S.A. 102(40):14296-14301(2005)
Kaput, J., et al. Physiol. Genomics 18(3):316-324(2004)
Lilley, B.N., et al. Nature 429(6994):834-840(2004)