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Ccdc47 Antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI15658

Product Information

Application	WB
Primary Accession	Q9D024
Other Accession	NM_026009, NP_080285
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	55844

Additional Information

Gene ID	67163
Alias Symbol	2610204L23Rik, C88307, RP23-81G14.10, asp4, calumin
Other Names	Coiled-coil domain-containing protein 47, Adipocyte-specific protein 4, Ccdc47, Asp4
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-Ccdc47 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	Ccdc47 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

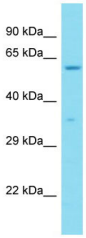
Name	Ccdc47 {ECO:0000312|MGI:MGI:1914413}
Function	Component of the multi-pass translocon (MPT) complex that mediates insertion of multi-pass membrane proteins into the lipid bilayer of membranes (By similarity). The MPT complex takes over after the SEC61 complex: following membrane insertion of the first few transmembrane segments of proteins by the SEC61 complex, the MPT complex occludes the lateral gate of the SEC61 complex to promote insertion of subsequent transmembrane regions (By similarity). Within the MPT complex, the PAT subcomplex sequesters any highly polar regions in the transmembrane domains away from the non-polar membrane environment until they can be buried in the interior of the fully assembled protein (By similarity). Within the

	PAT subcomplex, CCDC47 occludes the lateral gate of the SEC61 complex (By similarity). Involved in the regulation of calcium ion homeostasis in the ER (By similarity). Required for proper protein degradation via the ERAD (ER-associated degradation) pathway (By similarity). Has an essential role in the maintenance of ER organization during embryogenesis (PubMed:25009997).
Cellular Location	Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q96A33}; Single-pass type I membrane protein. Rough endoplasmic reticulum membrane; Single-pass type I membrane protein
Tissue Location	In the embryo, expressed in the endodermal layer of the yolk sac and in the small intestine.

References

Tsuruga H.,et al.Submitted (MAR-2000) to the EMBL/GenBank/DDBJ databases.
Carninci P.,et al.Science 309:1559-1563(2005).
Church D.M.,et al.PLoS Biol. 7:E1000112-E1000112(2009).

Images



Host: Rabbit
Target Name: Ccdc47
Sample Tissue: Mouse Liver lysates
Antibody Dilution: 1.0μg/ml