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- Laborgeräte & Service

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## Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

## Zuschläge

- Mindermengenzuschlag
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# Ceramide Transfer Protein (CERTL). Rabbit Antigen Immunoaffinity Purified Polyclonal

Lipid-transfer protein CERT, Goodpasture antigen-binding protein isoform 2, GPBP26, GPBP, Collagen type IV alpha-3-binding protein, StAR-related lipid transfer protein 11, StARD11, START domain-containing protein 11, COL4A3BP, STARD11

## Background

CERT mediates the ATP-dependent ER-to-Golgi transfer of ceramide in a non-vesicular manner. The biosynthesis of lipids involves steps that occur in different intracellular compartments. The movement of lipids within these compartments is important in lipid-mediated signalling. Human CERT is identical to a splice variant of human Goodpasture antigen-binding protein (GPBP26).

CERT contains a phosphoinositide-binding pleckstrin-homology (PH) domain (which targets CERT to the Golgi by binding phosphatidylinositol -4-phosphate (PtdIns4P)), a middle region, and a putative lipid-transfer-catalysing domain called START. CERT and CERTL can specifically extract ceramide from phospholipid bilayers in a START-domain-dependent manner. CERT interacts with ER membranes and specifically extracts ceramide. CERT catalyses both the specific extraction of ceramide from donor vesicles and its transfer to acceptor vesicles. CERT can associate with the Golgi in a PtdIns4P dependent manner.

## Ordering Information

**Catalog Number**
X2379P

**Size**
10 Miniblots

**Form**
Affinity Purified

**Host/Clone**
Rabbit

**Formulation**
Provided as solution in phosphate buffered saline with 0.08% sodium azide

**Concentration**
Lot specific, see vial

**Isotype**
IgG

**Applications**
Western Blot

**Species Reactivity**
Human

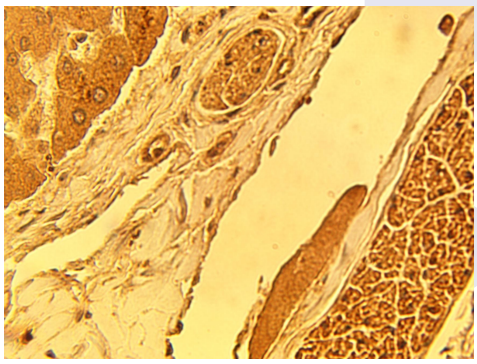
**Accession Number**

| | |
|---|---|
| Human | Q9Y5P4 |

## Immunogen

Synthetic peptide derived from human CERTL protein

Immunohistochemical staining of normal human liver tissue using CERT antibody (Cat. No. X2379P) at 15 µg/ml





**For research use only. Not for use in human diagnostics or therapeutics.**

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**Positive Control/Tissue Expression**

Ovary, human liver

**Comments**

Antibody can be used for Western blotting (1:400 starting dilution) and immunohistochemistry (10-15 $\mu$g/ml). Optimal concentration should be evaluated by serial dilutions.

**Purification**

Antigen Immunoaffiinity Purification

**Ship Conditions**

Ship on gel ice, store at -20ºC immediately upon arrival

**Storage Customer**

Product should be stored at -20ºC. Aliquot to avoid freeze/thaw cycles

**Stability**

Products are stable for one year from purchase when stored properly

**References**

1. Hanada K., Kumagai K., Yasuda S., Miura Y., Kawano M., Fukasawa M., Nishijima M.;
Molecular machinery for non-vesicular trafficking of ceramide.; Nature 426:803-809(2003).
2. Raya A., Revert F., Navarro S., Saus J.; Characterization of a novel type of serine/threonine kinase that specifically phosphorylates the human goodpasture antigen.; J. Biol. Chem. 274:12642-12649(1999).
3. Raya A., Revert-Ros F., Martinez-Martinez P., Navarro S., Rosello E., Vieites B., Granero F., Forteza J., Saus J.; Goodpasture antigen-binding protein, the kinase that phosphorylates the Goodpasture antigen, is an alternatively spliced variant implicated in autoimmune pathogenesis.; J. Biol. Chem. 275:40392-40399(2000).
4. The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC).; Genome Res. 14:2121-2127(2004).
5. Ogi T., Yamamoto Y., Ohmori H.; Homo sapiens genomic sequence, containing DINB1 and GPBP gene.; Submitted (JAN-2000) to the EMBL/GenBank/DDBJ databases.
6. Olsen J.V., Blagoev B., Gnad F., Macek B., Kumar C., Mortensen P., Mann M.; Global, in vivo, and site-specific phosphorylation dynamics in signaling networks.; Cell 127:635-648(2006).

**Product Specific References**



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