



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Ceramide Transfer Protein (CERTL). Rabbit Polyclonal Antibody

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

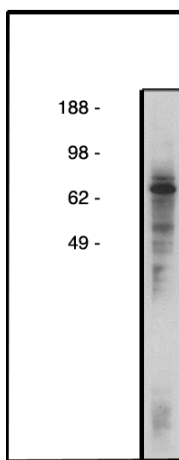
CERT mediates the ATP-dependent ER-to-Golgi transfer of ceramide in a non-vesicular manner. The biosynthesis of lipids involves steps that occur in different intracellular compartments. The movement of lipids within these compartments is important in lipid-mediated signalling. Human CERT is identical 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.

IMMUNOGEN

Synthetic peptide derived from human CERTL protein

Western blot using CERTL antibody (Cat. No. X2089P) on HT-29 cell lysate (28 μ g/lane). Primary antibody used at 10 μ g/ml. Secondary antibody, mouse anti-rabbit HRP (Cat. No. X1207M), used at 1:50k.



ORDERING INFORMATION

CATALOG NUMBER
X2089P

SIZE
100 μ g
FORM
Unconjugated

HOST/CLONE
Rabbit

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

CONCENTRATION
See vial for concentration

ISOTYPE
IgG

APPLICATIONS
Western Blot

SPECIES REACTIVITY
Human

ACCESSION NUMBER
Human Q9Y5P4

POSITIVE CONTROL/TISSUE EXPRESSION

Ovary

COMMENTS

Antibody can be used for Western blotting (5-10 μ g/ml starting dilution). Optimal concentration should be evaluated by serial dilutions.

PURIFICATION

Ammonium Sulfate Precipitation

SHIP CONDITIONS

Ship at ambient temperature, freeze upon arrival

STORAGE CUSTOMER

Product should be stored at -20°C. 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