

DCC1 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2874b

Specification

DCC1 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	O9BVC3
Other Accession	NP_076999.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	44825
Antigen Region	311-339

DCC1 Antibody (C-term) - Additional Information

Gene ID 79075

Other Names

Sister chromatid cohesion protein DCC1, Defective in sister chromatid cohesion protein 1 homolog, DSCC1, DCC1

Target/Specificity

This DCC1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 311-339 amino acids from the C-terminal region of human DCC1.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

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

DCC1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

DCC1 Antibody (C-term) - Protein Information

Name DSCC1

Synonyms DCC1

Function Loads PCNA onto primed templates regulating velocity, spacing and restart activity of replication forks. May couple DNA replication to sister chromatid cohesion through regulation of the acetylation of the cohesin subunit SMC3.

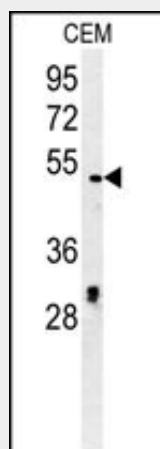
Cellular Location

Nucleus.

DCC1 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](#)

DCC1 Antibody (C-term) - Images

DCC1 Antibody (C-term) (Cat. #AP2874b) western blot analysis in CEM cell line lysates (35ug/lane). This demonstrates the DCC1 antibody detected the DCC1 protein (arrow).

DCC1 Antibody (C-term) - Background

CHTF18 (MIM 613201), CHTF8 (MIM 613202), and DSCC1 are components of an alternative replication factor C (RFC) (see MIM 600404) complex that loads PCNA (MIM 176740) onto DNA during S phase of the cell cycle (Merkle et al., 2003 [PubMed 12766176]; Bermudez et al., 2003 [PubMed 12930902]).

DCC1 Antibody (C-term) - References

Murakami, T., et al. J. Biol. Chem. 285(45):34608-34615(2010)
Terret, M.E., et al. Nature 462(7270):231-234(2009)
Watrin, E., et al. Curr. Biol. 16(9):863-874(2006)

Bermudez, V.P., et al. Proc. Natl. Acad. Sci. U.S.A. 100(18):10237-10242(2003)

Merkle, C.J., et al. J. Biol. Chem. 278(32):30051-30056(2003)