

ACD antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI14267**Specification**

ACD antibody - C-terminal region - Product Information

Application	WB
Primary Accession	O96AP0
Other Accession	NM_001082486 , NP_001075955
Reactivity	Human
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	58kDa KDa

ACD antibody - C-terminal region - Additional Information**Gene ID** 65057**Alias Symbol** **PIP1, PTOP, TINT1, TPP1****Other Names**

Adrenocortical dysplasia protein homolog, POT1 and TIN2-interacting protein, ACD, PIP1, PTOP, TINT1, TPP1

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-ACD 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

ACD antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

ACD antibody - C-terminal region - Protein Information**Name** ACD ([HGNC:25070](#))**Function**

Component of the shelterin complex (telosome) that is involved in the regulation of telomere length and protection. Shelterin associates with arrays of double-stranded TTAGGG repeats added by telomerase and protects chromosome ends. Without its protective activity, telomeres are no longer hidden from the DNA damage surveillance and chromosome ends are inappropriately processed by DNA repair pathways. Promotes binding of POT1 to single-stranded telomeric DNA. Modulates the inhibitory effects of POT1 on telomere elongation. The ACD-POT1 heterodimer enhances telomere elongation by recruiting telomerase to telomeres and increasing its processivity. May play a role in organogenesis.

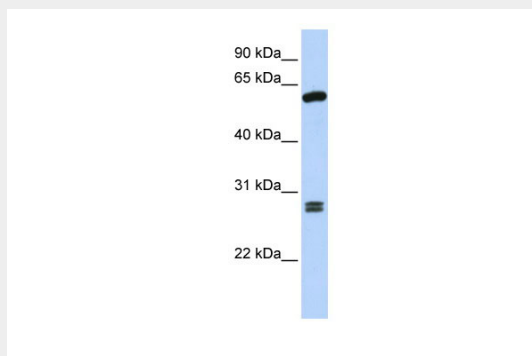
Cellular Location

Nucleus. Chromosome, telomere

ACD antibody - C-terminal region - 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](#)

ACD antibody - C-terminal region - Images

WB Suggested Anti-ACD Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:62500

Positive Control: Human brain

ACD antibody - C-terminal region - References

- Liu D., et al. Nat. Cell Biol. 6:673-680(2004).
Ota T., et al. Nat. Genet. 36:40-45(2004).
Martin J., et al. Nature 432:988-994(2004).
Keegan C.E., et al. Hum. Mol. Genet. 14:113-123(2005).
Ye J.Z.-S., et al. Genes Dev. 18:1649-1654(2004).