

Datasheet for ABIN2779815
anti-ACD antibody (C-Term)



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1 Image

Overview

Quantity:	100 µL
Target:	ACD
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ACD antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the c terminal region of mouse Acd
Sequence:	PRTSAQELCS VWEPPERHRD TSAFQYKYET PSASLHTQVQ TARLSPQLVA
Predicted Reactivity:	Cow: 83%, Dog: 85%, Guinea Pig: 85%, Horse: 85%, Human: 85%, Mouse: 100%, Rat: 93%
Characteristics:	This is a rabbit polyclonal antibody against Acd. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	ACD
Alternative Name:	Acd (ACD Products)

Target Details

Background:	<p>Acd is a 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. Acd promotes binding of POT1 to single-stranded telomeric DNA. Acd modulates the inhibitory effects of POT1 on telomere elongation. The ACD-POT1 heterodimer enhances telomere elongation by increasing telomerase processivity. Acd plays a role in shelterin complex assembly. Acd may play an essential role in organogenesis of the developing embryo.</p> <p>Alias Symbols: -</p> <p>Protein Size: 416</p>
Molecular Weight:	45 kDa
Gene ID:	497652
NCBI Accession:	NM_001012638 , NP_001012656
UniProt:	Q5EE38
Pathways:	Telomere Maintenance

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 416 AA
Restrictions:	For Research Use only

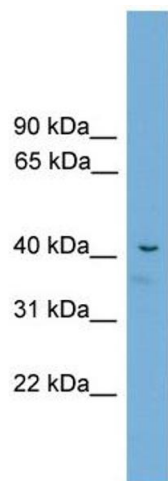
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.

Handling

Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-Acd Antibody Titration: 0.2-1 ug/ml Positive Control: Mouse Muscle