ACD Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	ACD, Monoclonal Antibody
Full Product Name	ACD (Adrenocortical Dysplasia Protein Homolog, PIP1, ACD, POT1 and TIN2-interacting Protein, PTOP, TINT1) (MaxLight 750)
Product Gene Name	anti-ACD antibody
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	1D8-1B6
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human ACD.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo
Immunogen	Full length recombinant corresponding to aa1-544 from ACD (AAH16904) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MPGRCQSDAAMRVNGPASRAPAGWTSGSLHTGPRAGRPRAQARGVRGRGLLLRPRPAKELPLPRKGGAWAPAGNPGPLHPLGVAVGMAGSGRLVLF
Conjugate	MaxLight750
Product Categories/Family for anti-ACD antibody	Antibodies; Telomere/Telomerase
Applications Tested/Suitable for anti-ACD antibody	FLISA, Immunofluorescence (IF), Immunohistochemistry (IHC), Immunoprecipitation (IP), Western Blot (WB)
Application Notes for anti-ACD antibody	IF: 10ug/ml Applications are based on unconjugated antibody.
Related Product Information for anti-ACD antibody	MBS6231397 is an antibody targeting ACD. Also known as ACD (Adrenocortical Dysplasia Protein Homolog, PIP1, ACD, POT1 and TIN2-interacting P
Product References and Citations for anti-ACD antibody	1. TIN2-tethered TPP1 recruits human telomerase to telomeres in vivo. Abreu E, Aritonovska E, Reichenbach P, Cristofari G, Culp B, Terns RM, Lingne

Other Notes	Small volumes of anti-ACD antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessa

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ACD. It may not necessarily be applicable to this product.

NCBI GI #	16877291
NCBI GeneID	65057
NCBI Accession #	AAH16904
UniProt Related Accession #	Q96AP0
NCBI Official Full Name	ACD protein
NCBI Official Synonym Full Names	ACD shelterin complex subunit and telomerase recruitment factor
NCBI Official Symbol	ACD
NCBI Official Synonym Symbols	PIP1; PTOP; TPP1; TINT1
Protein Family	Adrenocortical dysplasia protein
NCBI Protein Information	adrenocortical dysplasia protein homolog
NCBI Summary for ACD	This gene encodes a protein that is involved in telomere function. This protein is one of six core proteins in the telosome/shelterin telomeric complex, which functions to maintain telomere length and to protect telomere ends. Through its interaction with other components, this protein plays a key role in the assembly and stabilization of this complex, and it mediates the access of telomerase to the telomere. Multiple transcript variants encoding different isoforms have been found for this gene. This gene, which is also referred to as TPP1, is distinct from the unrelated TPP1 gene on chromosome 11, which encodes tripeptidyl-peptidase I. [provided by RefSeq, Jul 2008]
Research Articles on ACD	**1.** The assembly of telomere ssDNA substrates of differing lengths bound by POT1-TPP1 heterodimers was affected by a POT1 missense mutation. There was a telomerase inhibitory role when several native POT1-TPP1 proteins coat physiologically relevant lengths of telomere ssDNA.
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