

# Product Datasheet

## ACD Antibody (1D8-1B6) - Azide and BSA Free H00065057-M02

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**H00065057-M02**

ACD Antibody (1D8-1B6) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1D8-1B6
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4

Product Description	
Description	Novus Biologicals Mouse ACD Antibody (1D8-1B6) - Azide and BSA Free (H00065057-M02) is a monoclonal antibody validated for use in IHC, WB, ELISA, ICC/IF, IP and ChIP. Anti-ACD Antibody: Cited in 8 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	65057
Gene Symbol	ACD
Species	Human
Reactivity Notes	Other species not tested.
Specificity/Sensitivity	ACD - adrenocortical dysplasia homolog (mouse)
Immunogen	ACD (AAH16904, 1 a.a. ~ 544 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MPGRCQSDAAMRVNGPASRAPAGWTSGSLHTGPRAGRPRQAARGVVRGRGL LLRPRPAKELPLPRKGGAWAPAGNPGPLHPLGVAVGMAGSGRLVLRPWIRELI LGSETPSSPRAGQLLEVLQDAEAAVAGPSHAPDTSVDGATLLVSDGTHSVRCL VTREALDTSDWEEKEFGFRGTEGRLLLLQDCGVHVQVAEGGAPAEFYLVQVDR FSLPTEQPRLRVPGCNQDLVDVQKKLYDCLEEHLSESTSSNAGLSLSQLLDEM REDQEHQGALVCLAESCLTLEGPCTAPPVTHWAASRCKATGEAVYTVPSSML CISENDQLILSSLGPCQRTQGPPELPPDPALQDLSLTLIASPPSSPSSSGTPALP GHMSSEESGTSISLLPALSLAAPDPGQRSSSQPSAICAPATLTPRSPHASRT PSSPLQSCTPSLSPRSHVPSPHQALVTRPQKPSLEFKEFVGLPCKNRPPFPRT GATRGAQEPCSVWEPPKRHRDGSFAFYEYEPCTSLCARVQAARLPPQLMA WALHFLMDAQPGSEPTPM
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Chromatin Immunoprecipitation (ChIP)
Recommended Dilutions	Western Blot 1:500, ELISA 1:100-1:2000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500, Chromatin Immunoprecipitation (ChIP) 1:10-1:500

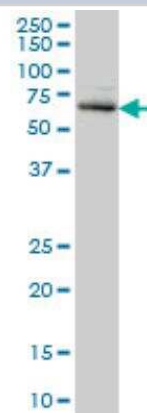


**Application Notes**

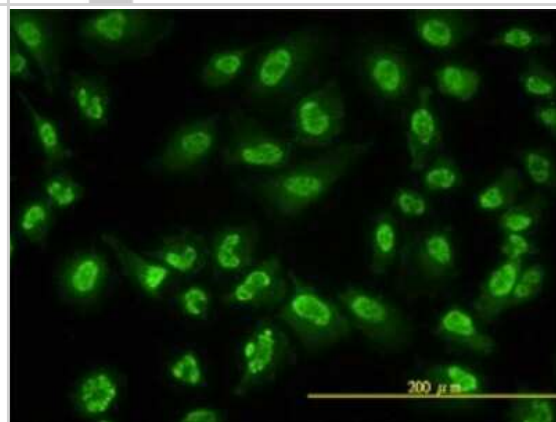
Antibody reactive against cell lysate and recombinant protein for Western Blot. Has also been used for immunofluorescence, immunohistochemistry (paraffin), and ELISA. Use in chromatin immunoprecipitation reported in scientific literature (PMID 25233904)

**Images**

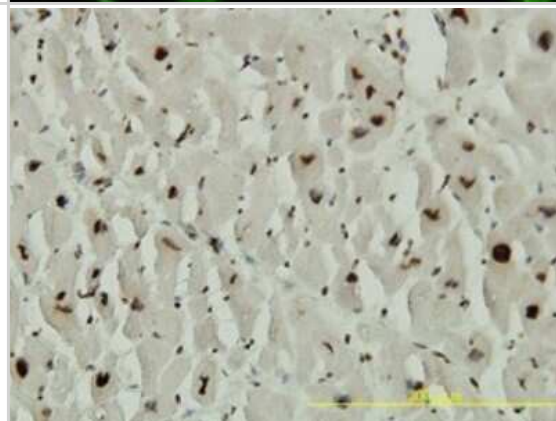
Western Blot: ACD Antibody (1D8-1B6) [H00065057-M02] - Western Blot analysis of ACD expression in IMR-32 ( Cat # L008V1 ).



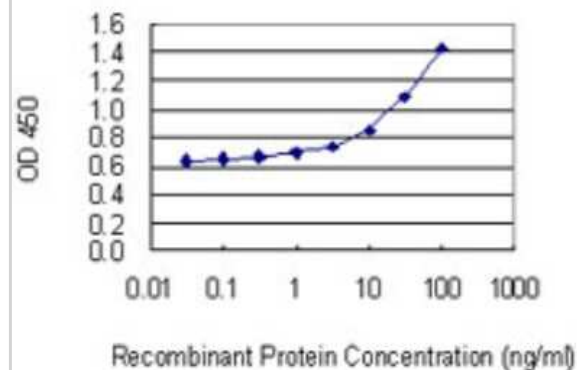
Immunocytochemistry/Immunofluorescence: ACD Antibody (1D8-1B6) [H00065057-M02] - Analysis of monoclonal antibody to ACD on HeLa cell. Antibody concentration 10 ug/ml.



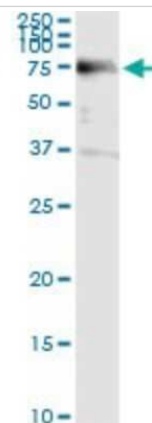
Immunohistochemistry-Paraffin: ACD Antibody (1D8-1B6) [H00065057-M02] - Analysis of monoclonal antibody to ACD on formalin-fixed paraffin-embedded human heart tissue. Antibody concentration 2 ug/ml.



ELISA: ACD Antibody (1D8-1B6) [H00065057-M02] - Detection limit for recombinant GST tagged ACD is 0.3 ng/ml as a capture antibody.



Immunoprecipitation: ACD Antibody (1D8-1B6) [H00065057-M02] - Analysis of ACD transfected lysate using anti-ACD monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with ACD MaxPab rabbit polyclonal antibody.



## Publications

Sandhu R, Wei D, Sharma M et al. An N-terminal Flag-tag impairs TPP1 regulation of telomerase function *Biochem Biophys Res Commun* 2019-03-20 [PMID: 30885434]

Zanini IM, Soneson C, Lorenzi LE, Azzalin CM. Human Cactin interacts with DHX8 and SRRM2 to assure efficient pre-mRNA splicing and sister chromatid cohesion. *J Cell Sci* 2017-02-15 [PMID: 28062851]

Frank AK, Tran DC, Qu RW et al. The Shelterin TIN2 Subunit Mediates Recruitment of Telomerase to Telomeres. *PLoS Genet.* 2015-07-31 [PMID: 26230315]

Nandakumar J, Bell CF, Weidenfeld I et al. The TEL patch of telomere protein TPP1 mediates telomerase recruitment and processivity. *Nature.* 2012-12-13 [PMID: 23103865] (Human)

Kocak H, Ballew BJ, Bisht K et al. Hoyeraal-Hreidarsson syndrome caused by a germline mutation in the TEL patch of the telomere protein TPP1. *Genes Dev.* 2014-10-01 [PMID: 25233904] (Chemotaxis, Human)

Lakamp AS, Ouellette MM. A ssDNA Aptamer That Blocks the Function of the Anti-FLAG M2 Antibody. *J Nucleic Acids*;2011:720798. 2011-01-01 [PMID: 22013507]

Abreu E, Aritonovska E, Reichenbach P et al. TIN2-tethered TPP1 recruits human telomerase to telomeres in vivo. *Mol Cell Biol.* 2010-06-01 [PMID: 20404094]

Choi KH, Farrell AS, Lakamp AS et al. Characterization of the DNA binding specificity of Shelterin complexes. *Nucleic Acids Res.* 2011-11-01 [PMID: 21852327]

Details:  
Tin2 (IMG-282) & POT1 (IMG-5343A). EMSA: HeLa cell line transfected with or without Flag-Tin2, Fig 4C.



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### **Products Related to H00065057-M02**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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