

# Product Datasheet

## DHTKD1 Antibody - Azide and BSA Free H0055526-B01P

Unit Size: 0.05 mg

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

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### Publications: 4

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**H00055526-B01P**

DHTKD1 Antibody - Azide and BSA Free

Product Information	
Unit Size	0.05 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	Polyclonal
Preservative	No Preservative
Isotype	IgG
Purity	Protein A purified
Buffer	PBS (pH 7.4)

Product Description	
Description	Novus Biologicals Mouse DHTKD1 Antibody - Azide and BSA Free (H00055526-B01P) is a polyclonal antibody validated for use in IHC and WB. Anti-DHTKD1 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	55526
Gene Symbol	DHTKD1
Species	Human, Mouse
Specificity/Sensitivity	Reacts with dehydrogenase E1 and transketolase domain containing 1.
Immunogen	DHTKD1 (NP_061176.3, 1 a.a. - 919 a.a.) full-length human protein. MASATAAAARRGLGRALPLLWRGYQTERGVYGYRPRKPESREPPQGALERPP VDHGLARLVTVYCEHGHKAAKINPLFTGQALLENVPEIQALVQTLQGPFFHTAGL LNMGKEEASLEEVLVYLNQIYCGQISIETSQSQDEKDWFAKRFEELQKETFT TEERKHL SKLMLESQEFDHFLATKFSTVKRYGGEGAESMMGFFHELLKMSAYS GITDVIIGMPHRGRNLNLLTGLLQFPPELMFRKMRGLSEFPENFSATGDVLSHLT SSVDLYFGAHHPLHVTMLPNPSHLEAVNPVAVGKTRGRQQSRQDGDYSPDNS AQPGRVICLQVHGDAFCGQGIVPETFTLSNLPFRIGGSVHLIVNNQLGYTT PAERGRSSLYCSDIGKLVGCAIIVNGDSPEEVVRATRLAFEYQRQFRKDVIIDL LCYRQWGHNELDEPFYTNPIMYKIIRARKSIPDTYAEHLIAGGLMTQEEVSEIKS SYYAKLNDHLNMAHYRPPALNLQAHWQGLAQPEAQITTWSTGVPLDLLRFV GMKSVEVPRELQMHSLLKTHVQSRMEKMMDGIKLDWATAEALALGSLLAQQ FNVRLSGQDVGRGTFSQRHAIIVCQETDDTYIPLNHMDPNQKGFLEVSNSPLS EEAVLGF EYGMSIESPKLLPLWEAQFGDFNGAQIIFDTFISGG EAKWLLQSGIV ILLPHGYDGAGPDHSSCRIERFLQMCD SAE EGV DGDVTNM FV VHP TTPA QYFH LLRRQMVRNFRKPLIVASPKMLLRLPAAVSTLQEMAPGTTFNPVIGDSSVDPKK VKTLVFCSGKHFYSLVKQRESLGAKKHDFAIIRVEELCPFPLDSLQ QEMSKYKH VKDHIWSQE EPQNMGPWSFVSPRFEKQLACKLRLVGRPPLP VPAVGIGTVHL HQHEDILAKTFA
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunoblotting, Immunohistochemistry
Recommended Dilutions	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoblotting

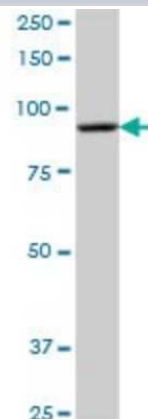


**Application Notes**

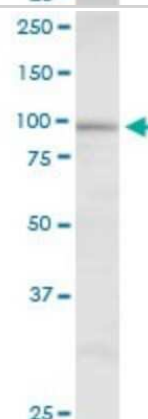
This antibody is reactive against tissue and transfected lysate in western blot, and as a detection antibody in ELISA.

**Images**

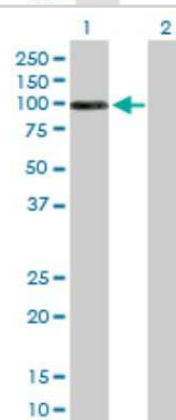
Western Blot: DHTKD1 Antibody [H00055526-B01P] - Analysis of DHTKD1 expression in human liver.



Western Blot: DHTKD1 Antibody [H00055526-B01P] - Analysis of DHTKD1 expression in A-431.



Western Blot: DHTKD1 Antibody [H00055526-B01P] - Analysis of DHTKD1 expression in transfected 293T cell line by DHTKD1 polyclonal antibody. Lane 1: DHTKD1 transfected lysate(101.09 KDa). Lane 2: Non-transfected lysate.

**Publications**

Boyko A, Artiukhov A, Kaehne T et al. Isoforms of the DHTKD1-Encoded 2-Oxoadipate Dehydrogenase, Identified in Animal Tissues, Are not Observed upon the Human DHTKD1 Expression in Bacterial or Yeast Systems. *Biochemistry (Mosc)*. 2020-08-15 [PMID: 33045952]

Xu WY, Zhu H, Shen Y et al. DHTKD1 deficiency causes Charcot-Marie-Tooth disease in mice. *Mol Cell Biol* 2018-04-16 [PMID: 29661920]

Xu W, Zhu H, Gu M et al. DHTKD1 is essential for mitochondrial biogenesis and function maintenance. *FEBS Lett*. 2013-09-27 [PMID: 24076469]

Hagen J, Te Brinke H, Wanders RJ et al. Genetic basis of alpha-amino adipic and alpha-keto adipic aciduria. *J Inher Metab Dis* 2015-04-10 [PMID: 25860818]



### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to H00055526-B01P**

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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]
NBP1-97019-5mg	Mouse IgG Isotype Control

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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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