

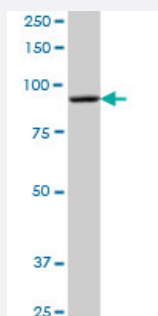
MaxPab®

DHTKD1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00055526-B01P

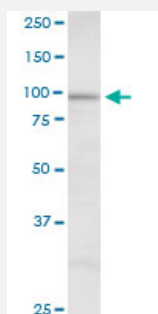
Size 50 ug

Applications



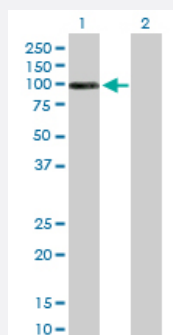
Western Blot (Tissue lysate)

DHTKD1 MaxPab polyclonal antibody. Western Blot analysis of DHTKD1 expression in human liver.



Western Blot (Cell lysate)

DHTKD1 MaxPab polyclonal antibody. Western Blot analysis of DHTKD1 expression in A-431.



Western Blot (Transfected lysate)

Western Blot analysis of DHTKD1 expression in transfected 293T cell line ([H00055526-T02](#)) by DHTKD1 MaxPab polyclonal antibody.

Lane 1: DHTKD1 transfected lysate(101.09 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human DHTKD1 protein.

Immunogen	DHTKD1 (NP_061176.3, 1 a.a. ~ 919 a.a) full-length human protein.
Sequence	MASATAAAARRGLGRALPLLWRGYQTERGVYGYRPRKPESREPQGALERPPVDHGLARLVTVY CEHGHKAAKINPLFTGQALLENVPEIQALVQTLQGPFH TAGLLNMGKEEASLEEVLVYLNQYCGQI SIETSQLQSQDEKDWFAKRFEELQKETFTTEERKHL SKLMLESQEFDHFLATKFSTVKRYGGEGA ESMMGFFHELLKMSAYSGITDVIIGMPHRGRNLNLLTGLLQFPPELMFRKMRGLSEFPENFSATGDV LSHLTSSVDLYFGAHHPLHVTMLPNPSHLEAVNPVAVGKTRGRQQSRQDGDYSPDNSAQPGDR VICLQVHGDA SFCGQGV PETFTLSNLPHFRIGGSVHLVNNQLGYTTPAERGRSSLYCSDIGKLVG CAIIHVNGDSPEEVVRATRLAFEYQRQFRKDVIIIDLLCYRQWGHNELDEPFYTNPIMYKIIRARKSIPD TYAEHLIAGGLMTQEEVSEIKSSYYAKLNDHLNNMAHYRPPALNLQAHWQGLAQPEAQITTWSTGV PLDLLRFVGMKSVEVPRELQMHSLLKTHVQSRMEKMMDGIKLDWATAEALALGSLLAQGFNVR LSGQDVGRGTF SQRHAIVVCQETDDTYIPLNHMDPNQKGFLEVSN SPLSEEAVLGF EYGM SIESP KLLPLWEAQFGDFFNGAQIIFDTFISGGEAKWLLQSGMILLPHGYDGAGPDHSSCRIERFLQMCD S AEEGVDGDTVNMFVVHPTTPAQYFHLRRQMVRNFRKPLIVASPKMLLRPAAVSTLQEMAPGTT FNPVIGDSSVDPKKVKTLVFCSGKHFYSLVKQRESLGAKKHDFAIIRVEELCPFPLDSLQQEMSK YKHVKDHWSQEEPQNMGPWSFVSPRFEKQLACKLRLVGRPPLPVPAVGIGTVHLHQHEDILAKT FA
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (89); Rat (89)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

DHTKD1 MaxPab polyclonal antibody. Western Blot analysis of DHTKD1 expression in human liver.

[Protocol Download](#)

- Western Blot (Cell lysate)

DHTKD1 MaxPab polyclonal antibody. Western Blot analysis of DHTKD1 expression in A-431.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of DHTKD1 expression in transfected 293T cell line ([H00055526-T02](#)) by DHTKD1 MaxPab polyclonal antibody.

Lane 1: DHTKD1 transfected lysate(101.09 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

Gene Info — DHTKD1

Entrez GeneID [55526](#)

GeneBank Accession# [NM_018706](#)

Protein Accession# [NP_061176.3](#)

Gene Name DHTKD1

Gene Alias DKFZp762M115, KIAA1630, MGC3090

Gene Description dehydrogenase E1 and transketolase domain containing 1

Gene Ontology [Hyperlink](#)

Other Designations OTTHUMP00000019087|dehydrogenase E1 and transketolase domain containing protein 1

Publication Reference

- [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.](#)

A I Boyko, A V Artiukhov, T Kaehne, M L di Salvo, M C Bonaccorsi di Patti, R Contestabile, A Tramonti, V I Bunik.

Biochemistry. Biokhimiia 2020 Aug; 85(8):920.

Application: WB-Re, WB-Ti, Rat, Rat brain, Rat heart, Rat liver, Recombinant proteins

- [DHTKD1 deficiency causes Charcot-Marie-Tooth disease in mice.](#)

Xu WY, Zhu H, Shen Y, Wan YH, Tu XD, Wu WT, Tang L, Zhang HX, Lu SY, Jin XL, Fei J, Wang ZG.

Molecular and Cellular Biology 2018 Jun; 38(13):e00085.

Application: IHC-P, WB-Ti, Mouse, Liver, Kidney

- [Genetic basis of alpha-aminoadipic and alpha-ketoadipic aciduria.](#)

Hagen J, Te Brinke H, Wanders RJ, Knecht AC, Oussoren E, Hoogeboom AJ, Ruijter GJ, Becker D, Schwab KO, Franke I, Duran M, Waterham HR, Sass JO, Houten SM.

Journal of Inherited Metabolic Disease 2015 Sep; 38(5):873.

Application: Immunoblotting, Human, Fibroblasts

- [DHTKD1 is essential for mitochondrial biogenesis and function maintenance.](#)

Xu W, Zhu H, Gu M, Luo Q, Ding J, Yao Y, Chen F, Wang Z.

FEBS Letters 2013 Nov; 587(21):3587.

Application: WB-Tr, Human, HepG2 cells

Disease

- [Alzheimer Disease](#)
- [Genetic Predisposition to Disease](#)