

Rabbit anti-Human DHTKD1 Polyclonal Antibody | anti-DHTKD1 antibody

Anti-DHTKD1 Antibody, Rabbit Polyclonal

CATALOG # AAA254813	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
-------------------------------	-----------------------	----------------------------	--

PRODUCT SYNONYMS

DHTKD1; Polyclonal Antibody; Anti-DHTKD1 Antibody; Rabbit Polyclonal; DHTKD1 Antibody; Rabbit PAb; Antigen Affinity Purified; dehydrogenase E1 and transketolase domain containing 1; Anti-AMOXAD Antibody; Anti-CMT2Q Antibody; anti-DHTKD1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human DHTKD1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-DHTKD1 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the N-terminus of the Human DHTKD1
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the N-terminus of the Human DHTKD1, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

DHTKD1 was immunoprecipitated using: Lane A: 0.5 mg HeLa Whole Cell Lysate; Lane B: 0.5 mg A549 Whole Cell Lysate; 4 uL anti-DHTKD1 rabbit polyclonal antibody and 15 uL of 50 % Protein G agarose. Primary antibody: Anti-DHTKD1 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: DyLight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 101 kDa. Observed band size: 101 kDa.



WB (Western Blot)

Anti-DHTKD1 rabbit polyclonal antibody at 1:500 dilution. Lane A: A431 Whole Cell Lysate; Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG H&L (DyLight 800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 103 kDa. Observed band size: 105 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-DHTKD1 antibody	DHTKD1, a part of 2-ketoadipic acid dehydrogenase complex, is involved in lysine and tryptophan catabolism. Mutations in DHTKD1 block the metabolic pathway and cause 2-aminoadipic and 2-oxoadipic aciduria (AMOXAD), an autosomal recessive inborn metabolic disorder. The mutations in dehydrogenase E1 and transketolase domain-containing 1 (DHTKD1), a mitochondrial protein encoding gene, could cause neurological abnormalities
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	38788380
NCBI GeneID	55526
NCBI Accession #	NP_061176.3
NCBI GenBank Nucleotide #	NM_018706.6
UniProt Accession #	Q96HY7; Q68CU5; Q9BUM8; Q9HCE2
Molecular Weight	103,077 Da
NCBI Official Full Name	probable 2-oxoglutarate dehydrogenase E1 component DHKTD1, mitochondrial
NCBI Official Synonym Full Names	dehydrogenase E1 and transketolase domain containing 1
NCBI Official Symbol	DHTKD1
NCBI Official Synonym Symbols	CMT2Q; AMOXAD
NCBI Protein Information	probable 2-oxoglutarate dehydrogenase E1 component DHKTD1, mitochondrial
UniProt Protein Name	Probable 2-oxoglutarate dehydrogenase E1 component DHKTD1, mitochondrial
UniProt Gene Name	DHTKD1
UniProt Synonym Gene Names	KIAA1630

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.