

For Research Use Only

DHTKD1 Recombinant monoclonal antibody

Catalog Number: 86661-3-RR



Basic Information

Catalog Number: 86661-3-RR	GenBank Accession Number: BC007955	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 55526	CloneNo.: 251575H1
Isotype: IgG	UNIPROT ID: Q96HY7	Recommended Dilutions: WB: 1:1000-1:6000
Immunogen Catalog Number: AG26515	Full Name: dehydrogenase E1 and transketolase domain containing 1	
	Calculated MW: 103 kDa	
	Observed MW: 103 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : L02 cells, MCF-7 cells, HepG2 cells, mouse liver tissue, mouse kidney tissue, rat kidney tissue
Species Specificity: human, mouse, rat	

Background Information

DHTKD1 (Dehydrogenase E1 And Transketolase Domain Containing 1), also named as 2-amino adipic 2-oxoadipic aciduria protein, OADC-E1, OADH-E1, is a lesser-studied E1 enzyme among the family of 2-oxoacid dehydrogenases (PMID: 32695416). DHTKD1 was expressed ubiquitously in various tissues and was proposed to localize to the mitochondria (PMID: 23141294). DHTKD1 plays a critical role in energy production in mitochondria, suppression of DHTKD1 leads to impaired mitochondrial biogenesis and increased cell apoptosis (PMID: 24076469).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

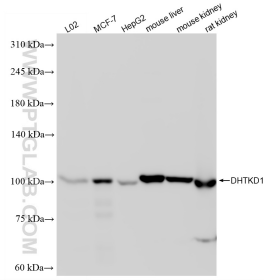
T: 4006900926

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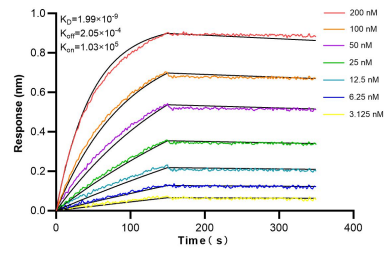
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86661-3-RR (DHTKD1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 86661-3-RR against Human DHTKD1 were performed. The affinity constant is 1.99 nM.