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Datasheet for ABIN7111489 anti-alpha KGDHC antibody



Overview

Overview	
Quantity:	100 µg
Target:	alpha KGDHC (alphaKGDHC)
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This alpha KGDHC antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)
Product Details	
Immunogen:	oxoglutarate (alpha-ketoglutarate) dehydrogenase (lipoamide)
lsotype:	lgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE
Target Details	
Target:	alpha KGDHC (alphaKGDHC)
Alternative Name:	OGDH (alphaKGDHC Products)
Background:	Synonyms:AKGDH Background:This gene encodes one subunit of the 2-oxoglutarate
	dehydrogenase complex. This complex catalyzes the overall conversion of 2-oxoglutarate
	denydrogenase complex. This complex catalyzes the overall conversion of z-oxogiutarate
	(alpha-ketoglutarate) to succinyl-CoA and CO(2) during the Krebs cycle. The protein is located

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Target Details		
	deficiency in 2-oxoglutarate dehydrogenase activity is believed to lead to hypotonia, metabolic acidosis, and hyperlactatemia. Alternative splicing results in multiple transcript variants encoding distinct isoforms.	
Molecular Weight:	116 kDa	
Gene ID:	4967	
UniProt:	Q02218	
Application Details		
Application Notes:	WB: 1:500 - 1:2000, IHC: 1:50 - 1:200, IF: 1:50 - 1:100	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Buffer:	PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3 ,	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Storage:	-20 °C	
Storage Comment:	-20°C for 12 months (Avoid repeated freeze / thaw cycles.)	
Expiry Date:	12 months	

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