

Datasheet for ABIN2790469

anti-D2HGDH antibody (C-Term)





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Overview		
Quantity:	100 μL	
Target:	D2HGDH	
Binding Specificity:	C-Term	
Reactivity:	Human, Mouse, Rat, Rabbit, Dog, Horse, Pig	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This D2HGDH antibody is un-conjugated	
Application:	Western Blotting (WB)	
Product Details		
Immunogen:	The immunogen is a synthetic peptide directed towards the C-terminal region of Human D2HGDH	
Sequence:	QESPFYVLIE TSGSNAGHDA EKLGHFLEHA LGSGLVTDGT MATDQRKVKM	
Predicted Reactivity:	Dog: 79%, Horse: 86%, Human: 100%, Mouse: 100%, Pig: 77%, Rabbit: 100%, Rat: 92%	
Characteristics:	This is a rabbit polyclonal antibody against D2HGDH. It was validated on Western Blot.	
Purification:	Affinity Purified	
Target Details		
Target:	D2HGDH	
Alternative Name:	D2HGDH (D2HGDH Products)	

Preservative:

Precaution of Use:

Handling Advice:

Storage Comment:

Storage:

Sodium azide

-20 °C

should be handled by trained staff only.

Avoid repeated freeze-thaw cycles.

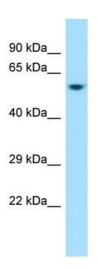
Target Details		
Background:	This gene encodes D-2hydroxyglutarate dehydrogenase, a mitochondrial enzyme belonging to	
	the FAD-binding oxidoreductase/transferase type 4 family. This enzyme, which is most active in	
	liver and kidney but also active in heart and brain, converts D-2-hydroxyglutarate to 2-	
	ketoglutarate. Mutations in this gene are present in D-2-hydroxyglutaric aciduria, a rare	
	recessive neurometabolic disorder causing developmental delay, epilepsy, hypotonia, and	
	dysmorphic features.	
	Alias Symbols: D2HGD, FLJ42195, MGC25181	
	Protein Interaction Partner: SUMO1, UBC,	
	Protein Size: 521	
Molecular Weight:	55 kDa	
Gene ID:	728294	
NCBI Accession:	NM_152783, NP_689996	
UniProt:	Q8N465	
Application Details		
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.	
Comment:	Antigen size: 521 AA	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	Lot specific	
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.	

This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-D2HGDH Antibody Titration:1.0 ug/ml Positive Control: PANC1 Whole Cell