

Datasheet for ABIN2790469  
**anti-D2HGDH antibody (C-Term)**



[Go to Product page](#)

1 Image

## 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 ( <a href="#">D2HGDH Products</a> )

## Target Details

Background:	<p>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.</p> <p>Alias Symbols: D2HGD, FLJ42195, MGC25181</p> <p>Protein Interaction Partner: SUMO1, UBC,</p> <p>Protein Size: 521</p>
Molecular Weight:	55 kDa
Gene ID:	728294
NCBI Accession:	<a href="#">NM_152783</a> , <a href="#">NP_689996</a>
UniProt:	<a href="#">Q8N465</a>

## 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.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	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.



**Western Blotting**

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