

Datasheet for ABIN2790470
anti-D2HGDH antibody (N-Term)



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1 Image

Overview

Quantity:	100 µL
Target:	D2HGDH
Binding Specificity:	N-Term
Reactivity:	Human, Zebrafish (Danio rerio), Mouse, Rat, Rabbit, Dog, Horse, Cow, Guinea 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 N-terminal region of human D2HGDH
Sequence:	AFERIVPGGV VTDPEALQAP NVDWLRTLRLG CSKVLLRPRT SEEVSHILRH
Predicted Reactivity:	Cow: 79%, Dog: 92%, Guinea Pig: 85%, Horse: 79%, Human: 100%, Mouse: 86%, Rabbit: 92%, Rat: 93%, Zebrafish: 77%
Characteristics:	This is a rabbit polyclonal antibody against D2HGDH. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	D2HGDH
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Target Details

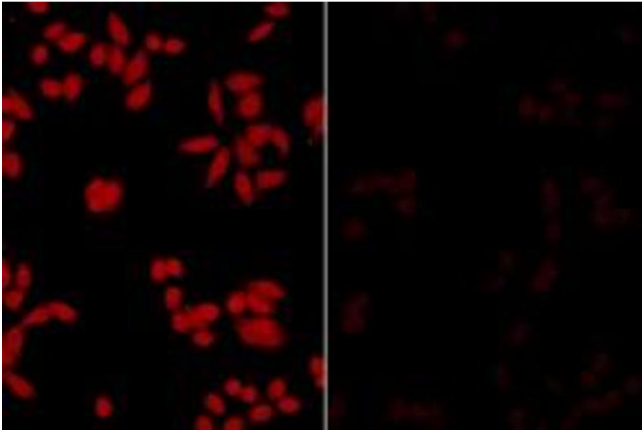
Alternative Name:	D2HGDH (D2HGDH Products)
Background:	<p>This gene encodes D-2hydroxyglutarate dehydrogenase, a mitochondrial enzyme belonging to the FAD-binding oxidoreductase/transferase type 4 family. This enzyme, which is most active in liver and kidney but also active in heart and brain, converts 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</p> <p>Protein Size: 325</p>
Molecular Weight:	35 kDa
Gene ID:	728294
NCBI Accession:	NM_001287249 , NP_001274178
UniProt:	Q8N465

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Liquid
Concentration:	1 mg/mL
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 repeat 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.



Immunofluorescence
Image 1.