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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	ARP54297_P050-HRP
Product Page	www.avivasysbio.com/gldc-antibody-hrp-arp54297-p050-hrp.html
Name	GLDC Antibody : HRP (ARP54297_P050-HRP)
Protein Size (# AA)	1,020 amino acids
Molecular Weight	113 kDa
Conjugation	HRP: Horseradish Peroxidase
NCBI Gene Id	2731
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	glycine dehydrogenase (decarboxylating)
Alias Symbols	GCE, GCSP, HYGN1
Peptide Sequence	Synthetic peptide located within the following region: LENSGWITQYTPYQPEVSQGRLESLLNYQTMVCDITGLDMANASLLDEGT
Product Format	Liquid. Purified antibody is supplied in high phosphate PBS, 100 mM phosphate, 150 mM NaCl, pH 7.6.
Description of Target	Degradation of glycine is brought about by the glycine cleavage system, which is composed of four mitochondrial protein components: P protein (a pyridoxal phosphate-dependent glycine decarboxylase), H protein (a lipoic acid-containing protein), T protein (a tetrahydrofolate-requiring enzyme), and L protein (a lipoamide dehydrogenase). The protein encoded by this gene is the P protein, which binds to glycine and enables the methylamine group from glycine to be transferred to the T protein. Defects in this gene are a cause of nonketotic hyperglycinemia (NKH).
Protein Interactions	SUZ12; UBC; CUL2; TNFAIP3; TLR10; GLDC;
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for anti-GLDC (ARP54297_P050-HRP) antibody
Blocking Peptide	Available upon request
Immunogen	The immunogen is a synthetic peptide directed towards the following sequence LENSGWITQYTPYQPEVSQGRLESLLNYQTMVCDITGLDMANASLLDEGT
Uniprot ID	P23378
Protein Name	Glycine dehydrogenase [decarboxylating], mitochondrial
Protein Accession #	NP_000161
Purification	Affinity Purified
Nucleotide Accession #	NM_000170
Gene Symbol	GLDC
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish
Application	IHC
Predicted Homology Based on Immunogen Sequence	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 93%; Rat: 100%; Zebrafish: 100%

Image 1



AVIVA SYSTEMS BIOLOGY manufactures and sells quality antibody products covering genome wide proteins.

This product is for Research Use Only. Not for diagnostic, human, or veterinary use.
Optimal conditions of its use should be determined by end users.

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