



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
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	ARP54721_P050-Biotin
Product Page	www.avivasysbio.com/idh3g-antibody-c-terminal-region-biotin-arp54721-p050-biotin.html
Name	IDH3G Antibody - C-terminal region : Biotin (ARP54721_P050-Biotin)
Protein Size (# AA)	204 amino acids
Molecular Weight	22kDa
Conjugation	Biotin
NCBI Gene Id	3421
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	isocitrate dehydrogenase 3 (NAD+) gamma
Alias Symbols	H-IDHG
Peptide Sequence	Synthetic peptide located within the following region: YMTRHNNLDLVIIREQTEGEYSSLEHEVRPQKLGEGKDEGREVLLVSL
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Description of Target	Isocitrate dehydrogenases catalyze the oxidative decarboxylation of isocitrate to 2-oxoglutarate. These enzymes belong to two distinct subclasses, one of which utilizes NAD(+) as the electron acceptor and the other NADP(+). Five isocitrate dehydrogenases have been reported: three NAD(+)-dependent isocitrate dehydrogenases, which localize to the mitochondrial matrix, and two NADP(+)-dependent isocitrate dehydrogenases, one of which is mitochondrial and the other predominantly cytosolic. NAD(+)-dependent isocitrate dehydrogenases catalyze the allosterically regulated rate-limiting step of the tricarboxylic acid cycle. Each isozyme is a heterotetramer that is composed of two alpha subunits, one beta subunit, and one gamma subunit. The protein encoded by this gene is the gamma subunit of one isozyme of NAD(+)-dependent isocitrate dehydrogenase. This gene is a candidate gene for periventricular heterotopia. Several alternatively spliced transcript variants of this gene have been described, but only some of their full length natures have been determined.
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-IDH3G (ARP54721_P050-Biotin) antibody
Blocking Peptide	For anti-IDH3G (ARP54721_P050-Biotin) antibody is Catalog # AAP54721
Immunogen	The immunogen is a synthetic peptide directed towards the C-terminal region of human IDH3G
Uniprot ID	P51553
Protein Name	isocitrate dehydrogenase [NAD] subunit gamma, mitochondrial
Protein Accession #	NP_004126.1
Purification	Affinity Purified
Nucleotide Accession #	NM_004135.3
Gene Symbol	IDH3G
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Goat, Guinea Pig, Horse, Rabbit, Yeast, Zebrafish
Application	WB
Predicted Homology Based on Immunogen Sequence	Cow: 100%; Dog: 100%; Goat: 93%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Yeast: 93%; 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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