



# SZABO SCANDIC

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## 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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|                                     |  |
|-------------------------------------|--|
| <b>Product Number</b>               | ARP54720_P050-Biotin   |
| <b>Product Page</b>                 | <a href="http://www.avivasysbio.com/idh3g-antibody-n-terminal-region-biotin-arp54720-p050-biotin.html">www.avivasysbio.com/idh3g-antibody-n-terminal-region-biotin-arp54720-p050-biotin.html</a>   |
| <b>Name</b>                         | IDH3G Antibody - N-terminal region : Biotin (ARP54720_P050-Biotin)   |
| <b>Protein Size (# AA)</b>          | 393 amino acids  |
| <b>Molecular Weight</b>             | 43kDa  |
| <b>Conjugation</b>                  | Biotin   |
| <b>NCBI Gene Id</b>                 | 3421   |
| <b>Host</b>                         | Rabbit   |
| <b>Clonality</b>                    | Polyclonal   |
| <b>Concentration</b>                | 0.5 mg/ml  |
| <b>Alias Symbols</b>                | H-IDHG   |
| <b>Peptide Sequence</b>             | Synthetic peptide located within the following region:<br><a href="#">CRPWVGLGAHEVPSRNIFSEQTIPPSAKYGGRHVTMTMIPGDGIGPELMLH</a>  |
| <b>Product Format</b>               | Liquid. Purified antibody supplied in 1x PBS buffer.   |
| <b>Description of Target</b>        | 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. |
| <b>Protein Interactions</b>         | UBC; ADRB2; SUGP1; CDV3; SBDS; TIMM44; PQBP1; EDF1; AGPS; UQCRFS1P1; SPR; SCP2; PPP1R12A; RAB8A; HNRNPK; MYC; IDH3B; IDH3A;  |
| <b>Reconstitution and Storage</b>   | 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.   |
| <b>Datasheets/Manuals</b>           | Printable datasheet for <a href="#">anti-IDH3G (ARP54720_P050-Biotin) antibody</a>   |
| <b>Blocking Peptide</b>             | For anti-IDH3G (ARP54720_P050-Biotin) antibody is <a href="#">Catalog # AAP54720</a>   |
| <b>Immunogen</b>                    | The immunogen is a synthetic peptide directed towards the N-terminal region of Human IDH3G   |
| <b>Uniprot ID</b>                   | <a href="#">P51553</a>   |
| <b>Purification</b>                 | Affinity Purified  |
| <b>Gene Symbol</b>                  | <a href="#">IDH3G</a>  |
| <b>Predicted Species Reactivity</b> | Human  |
| <b>Application</b>                  | WB   |

**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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