



# 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

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0


F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Product Number	ARP54801_P050-FITC
Product Page	<a href="http://www.avivasysbio.com/phgdh-antibody-middle-region-fitc-arp54801-p050-fitc.html">www.avivasysbio.com/phgdh-antibody-middle-region-fitc-arp54801-p050-fitc.html</a>
Name	PHGDH Antibody - middle region : FITC (ARP54801_P050-FITC)
Protein Size (# AA)	533 amino acids
Molecular Weight	57kDa
Conjugation	FITC: Fluorescein Isothiocyanate
NCBI Gene Id	26227
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Phosphoglycerate dehydrogenase
Alias Symbols	NLS, PDG, PGD, NLS1, PGAD, PGDH, SERA, 3PGDH, 3-PGDH, PHGDHD, HEL-S-113
Peptide Sequence	Synthetic peptide located within the following region: <a href="#">CAGAALDVFTEEPPRDALVDHENVISCPHLGASTKEAQSRCGEEIAVQF</a>
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Reference	Tsang,H.T., (2006) Genomics 88 (3), 333-346
Description of Target	3-Phosphoglycerate dehydrogenase (PHGDH) catalyzes the transition of 3-phosphoglycerate into 3-phosphohydroxypyruvate, which is the first and rate-limiting step in the phosphorylated pathway of serine biosynthesis, using NAD <sup>+</sup> /NADH as a cofactor. 3-Phosphoglycerate dehydrogenase (PHGDH; EC 1.1.1.95) catalyzes the transition of 3-phosphoglycerate into 3-phosphohydroxypyruvate, which is the first and rate-limiting step in the phosphorylated pathway of serine biosynthesis, using NAD <sup>+</sup> /NADH as a cofactor.[supplied by OMIM].
Protein Interactions	HUWE1; UBC; FUS; SUMO2; ITSN1; ROM1; RPAP3; EPN1; SUMO1; NEDD8; MDM2; SUZ12; RNF2; EZH2; BMI1; FBXO6; TARDBP; EGFR; UBD; CLN5; CLN3; CDK2; PIAS4; FN1; TRAF3IP1; ECT2; MDC1; UQCC3; VASN; TRIM55; SMU1; TRA2A; ADNP; NCSTN; U2AF2; TCERG1; UTP14A; SRSF10; SAP1
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 <a href="#">anti-PHGDH (ARP54801_P050-FITC) antibody</a>
Blocking Peptide	For anti-PHGDH (ARP54801_P050-FITC) antibody is <a href="#">Catalog # AAP54801</a> (Previous Catalog # AAPP31605)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human PHGDH
Uniprot ID	<a href="#">O43175</a>
Protein Name	D-3-phosphoglycerate dehydrogenase
Sample Type Confirmation	PHGDH is supported by BioGPS gene expression data to be expressed in HEK293T
Protein Accession #	<a href="#">NP_006614</a>
Purification	Affinity Purified
Nucleotide Accession #	<a href="#">NM_006623</a>
Gene Symbol	<a href="#">PHGDH</a>
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Pig, Rabbit, Zebrafish

<b>Application</b>	WB
<b>Predicted Homology Based on Immunogen Sequence</b>	Cow: 93%; Dog: 92%; Guinea Pig: 93%; Horse: 100%; Human: 100%; Mouse: 100%; Pig: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 79%
<b>Image 1</b>	 A schematic diagram of an antibody molecule, showing a Y-shaped structure with two heavy chains and two light chains, connected by disulfide bonds.

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.

---

AVIVA SYSTEMS BIOLOGY  
6370 Nancy Ridge Dr., Suite 104, San Diego, CA 92121 USA | Tel: (858)552-6979 | [info@avivasysbio.com](mailto:info@avivasysbio.com)