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Produktinformation



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	ARP54801_P050-HRP
Product Page	www.avivasysbio.com/phgdh-antibody-middle-region-hrp-arp54801-p050-hrp.html
Name	PHGDH Antibody - middle region : HRP (ARP54801_P050-HRP)
Protein Size (# AA)	533 amino acids
Molecular Weight	57kDa
Conjugation	HRP: Horseradish Peroxidase
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: CAGAALDVFTEEPPRDRALVDHENVISCPHLGASTKEAQSRCGEEIAVQF
Product Format	Liquid. Purified antibody is supplied in high phosphate PBS, 100 mM phosphate, 150 mM NaCl, pH 7.6.
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 ⁺ /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 ⁺ /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 anti-PHGDH (ARP54801_P050-HRP) antibody
Blocking Peptide	For anti-PHGDH (ARP54801_P050-HRP) antibody is Catalog # AAP54801 (Previous Catalog # AAPP31605)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human PHGDH
Uniprot ID	O43175
Protein Name	D-3-phosphoglycerate dehydrogenase
Sample Type Confirmation	PHGDH is supported by BioGPS gene expression data to be expressed in HEK293T
Protein Accession #	NP_006614
Purification	Affinity Purified
Nucleotide Accession #	NM_006623
Gene Symbol	PHGDH
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Pig, Rabbit, Zebrafish

Application	WB
Predicted Homology Based on Immunogen Sequence	Cow: 93%; Dog: 92%; Guinea Pig: 93%; Horse: 100%; Human: 100%; Mouse: 100%; Pig: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 79%
Image 1	 A schematic diagram of a Y-shaped antibody molecule. It consists of two heavy chains (inner lines) and two light chains (outer lines) joined at their C-termini. The two heavy chains are connected to each other and to the two light chains, forming a Y-shape with two antigen-binding sites at the tips of the arms.

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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