10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PHGDH Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP2936c

Specification

PHGDH Antibody (Center) Blocking peptide - Product Information

Primary Accession	O43175
Other Accession	NP_006614

PHGDH Antibody (Center) Blocking peptide - Additional Information

Gene ID 26227

Other Names
D-3-phosphoglycerate dehydrogenase, 3-PGDH, PHGDH, PGDH3

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PHGDH Antibody (Center) Blocking peptide - Protein Information

Name PHGDH

Synonyms PGDH3

Function
Catalyzes the reversible oxidation of 3-phospho-D-glycerate to 3-phosphonooxypyruvate, the first step of the phosphorylated L- serine biosynthesis pathway. Also catalyzes the reversible oxidation of 2-hydroxyglutarate to 2-oxoglutarate and the reversible oxidation of (S)-malate to oxaloacetate.

PHGDH Antibody (Center) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

PHGDH Antibody (Center) Blocking peptide - Images

PHGDH Antibody (Center) Blocking peptide - Background

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

3-Phosphoglycerate dehydrogenase (PHGDH; EC 1.1.1.95)catalyzes the transition of 3-phosphoglycerate into3-phosphohydroxypyruvate, which is the first and rate-limiting stepin the phosphorylated pathway of serine biosynthesis, usingNAD+/NADH as a cofactor.

PHGDH Antibody (Center) Blocking peptide - References

Du, H., et al. Reproduction 139(1):237-245(2010)Burton, R.L., et al. Biochemistry 48(22):4808-4815(2009)Kim, J.W., et al. Psychiatr. Genet. 19 (3), 161 (2009) :Tabatabaie, L., et al. Hum. Mutat. 30(5):749-756(2009)