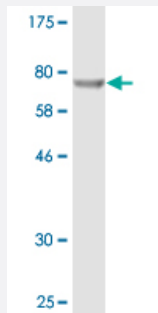


PHGDH monoclonal antibody (M02), clone 4D5-1F11

Catalog # H00026227-M02

Size 100 ug

Applications



Western Blot detection against Immunogen (84.37 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full-length recombinant PHGDH.

Immunogen

PHGDH (AAH11262.1, 1 a.a. ~ 533 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

MAFANLRKVLISDSLDPCCRKILQDGGGLQVVEKQNLKEELIAELQDCEGLMRSATKVTADVINA
EKLQVVGRAGTGVDNVDLEAATRKGLVMNTPNGNSLSAAELTCGMIMCLARQIPQATASMKDGK
WERKKFMGTENGLTGLGLGRIGREVATRMQSFGMKTIGYDPIISPEVSASFVQQLPLEEWPL
CDFITVHTPLLPSTTGLLNDNTFAQCKKGVRVVCARGGVDEGALLRALQSGQCAGALDVFTE
EPPDRALVDHENVISCPHLGASTKEAQSRCGEEIAVQFVDMVKGKSLTGVVNAQALTSFSPH
TKPWIGLAEALGTLMAWAGSPKGTIQVITQGTSLKNAGNCLSPAVIVGLLKEASKQADVNLVNAK
LLVKEAGLNVTTSHPAAPGEQGFGECLLAVALAGAPYQAVGLVQGTTPVLQGLNGAVFRPEVP
LRRDLPLLLFRTQTSDPAMLPTMIGLLAEAGVRLLSYQTSLSVSDGETWHVMGISSLLPSLEAWKQ
HVTEAFQFHF

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence

Mouse (94); Rat (94)

Isotype

IgG1 Kappa

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (84.37 KDa) .

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — PHGDH

Entrez GeneID

[26227](#)

GeneBank Accession#

[BC011262](#)

Protein Accession#

[AAH11262.1](#)

Gene Name

PHGDH

Gene Alias

3-PGDH, 3PGDH, MGC3017, PDG, PGAD, PGD, PGDH, SERA

Gene Description

phosphoglycerate dehydrogenase

Omim ID

[601815 606879](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

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]

Other Designations

3-phosphoglycerate dehydrogenase|OTTHUMP00000013926

Pathway

- [Glycine](#)

- [Metabolic pathways](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Schizophrenia](#)