

PHGDH Antibody (clone 4A3-1D6)
Mouse Monoclonal Antibody
Catalog # ALS14090

Specification

PHGDH Antibody (clone 4A3-1D6) - Product Information

Application	WB, IF, IP, IHC
Primary Accession	O43175
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	57kDa KDa

PHGDH Antibody (clone 4A3-1D6) - Additional Information

Gene ID 26227

Other Names

D-3-phosphoglycerate dehydrogenase, 3-PGDH, 1.1.1.95, PHGDH, PGDH3

Target/Specificity

Human PHGDH

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions

PHGDH Antibody (clone 4A3-1D6) is for research use only and not for use in diagnostic or therapeutic procedures.

PHGDH Antibody (clone 4A3-1D6) - 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.

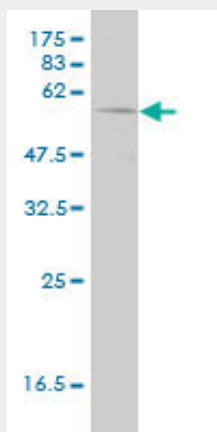
PHGDH Antibody (clone 4A3-1D6) - Protocols

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

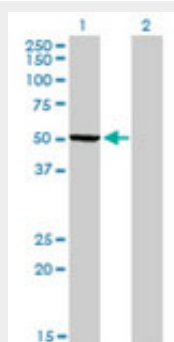
- [Western Blot](#)

- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

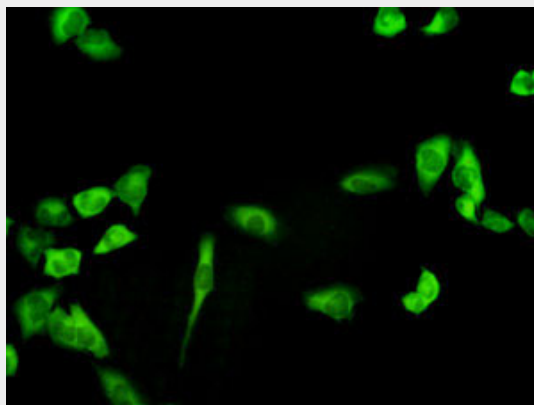
PHGDH Antibody (clone 4A3-1D6) - Images



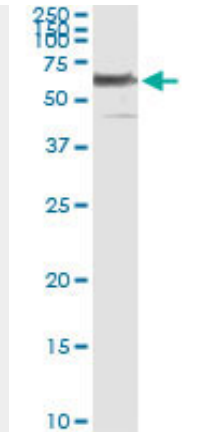
Western blot of PHGDH expression in human liver with PHGDH monoclonal antibody, clone 4A3-1D6.



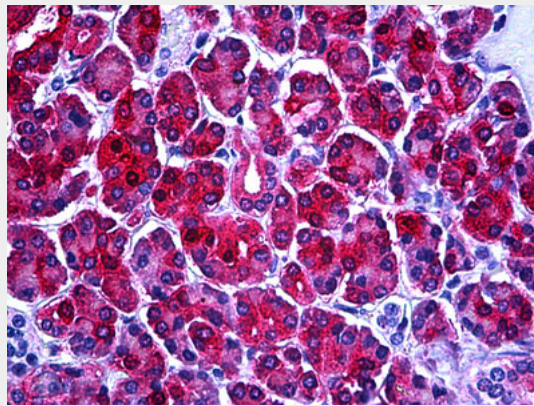
Western blot of PHGDH expression in transfected 293T cell line by PHGDH monoclonal antibody,...



Immunofluorescence of monoclonal antibody to PHGDH on HeLa cell.



Immunoprecipitation of PHGDH transfected lysate using anti-PHGDH monoclonal antibody and Protein...



Anti-PHGDH antibody IHC of human pancreas.

PHGDH Antibody (clone 4A3-1D6) - References

- Cho H.M.,et al.Gene 245:193-201(2000).
- Klomp L.W.J.,et al.Am. J. Hum. Genet. 67:1389-1399(2000).
- Ebert L.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
- Ota T.,et al.Nat. Genet. 36:40-45(2004).
- Gregory S.G.,et al.Nature 441:315-321(2006).