

Mouse Anti-PHGDH antibody

SLM-60570M

Product Name	PHGDH
Chinese Name	磷酸甘油酸脱氢酶单克隆抗体
Alias	3-phosphoglycerate dehydrogenase; D-3-phosphoglycerate dehydrogenase; EC 1.1.1.95; PDG; PGAD; PGD; PGDH; PGDH3; SERA; NLS; NLS1; 3PGDH; 3-PGDH; 3 PGDH; PHGDHD; HEL-S-113; SERA_HUMAN; EC:1.1.1.95; EC:1.1.1.399; EC:1.1.1.37; Malate dehydrogenase; 2-oxoglutarate reductase.
Immunogen Species	Mouse
Clonality	Monoclonal
Clone NO.	D12E1
React Species	Human,Rat,Mouse
Applications	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	56kDa
Cellular localization	The cell membrane
Form	Liquid
Concentration	1mg/ml
Lsotype	IgG1/Kappa
Purification	Affinity purified by Protein G
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
PubMed	PubMed
Product Detail	This gene encodes the enzyme which is involved in the early steps of L-serine synthesis in animal cells. L-serine is required for D-serine and other amino acid synthesis. The enzyme requires NAD/NADH as a cofactor and forms homotetramers

for activity. Mutations in this gene have been found in a family with congenital microcephaly, psychomotor retardation and other symptoms. Multiple alternatively spliced transcript variants have been found, however the full-length nature of most are not known. [provided by RefSeq, Aug 2011]

SWISS:
O43175

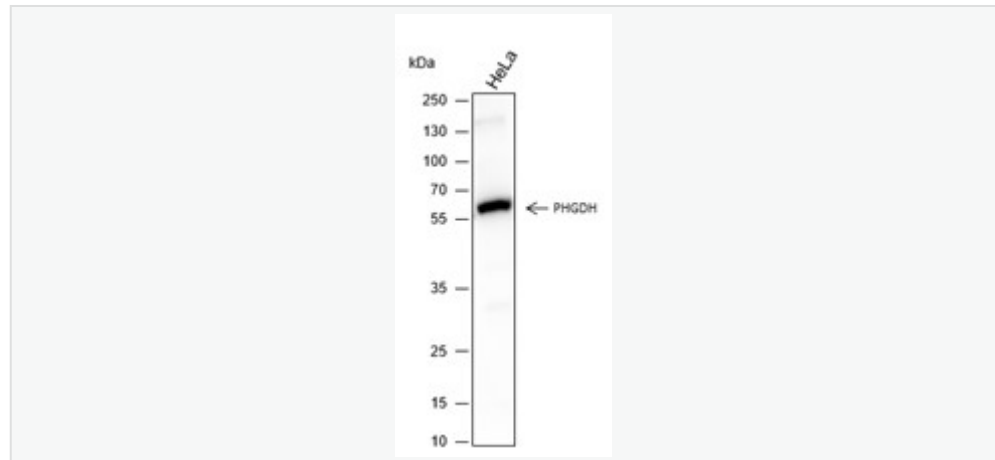
Gene ID:
26227

Database links:

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催化 3-磷酸-D-甘油酯可逆氧化为 3-磷酸丙酮酸，这是 L-丝氨酸磷酸化生物合成途径的第一步。还催化 2-羟基戊二酸可逆氧化为 2-酮戊二酸和 (S)-苹果酸可逆氧化为草酰乙酸。

Product Picture



Blocking buffer: 5% NFDN/TBST

Primary ab dilution: 1:1000

Primary ab incubation condition: room temperature 2h

Secondary ab: Goat Anti-Mouse IgG H&L (HRP)

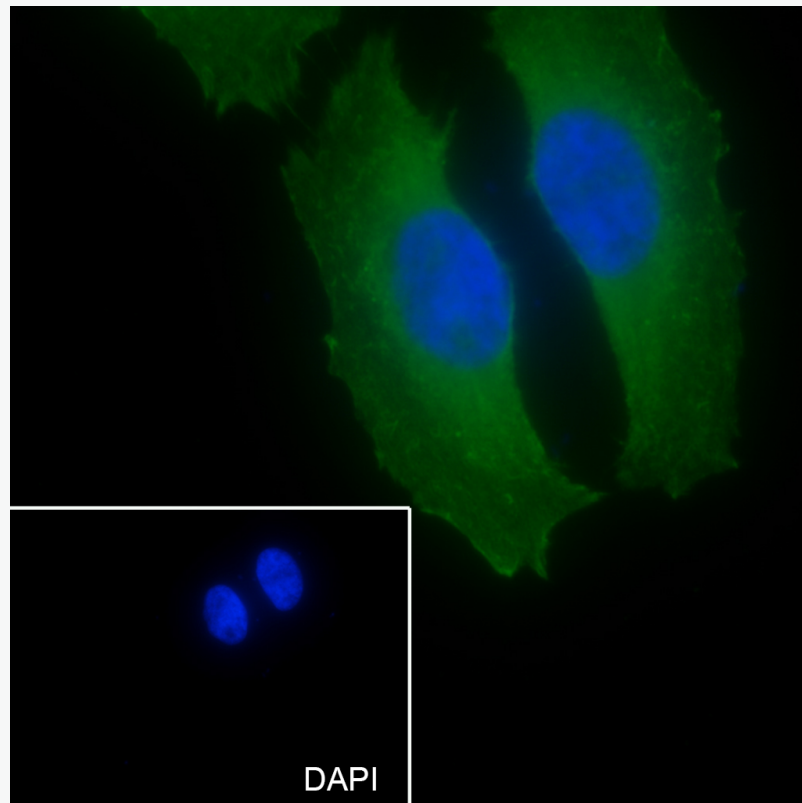
Lysate: HeLa, BRL

Protein loading quantity: 20 μ g

Exposure time: 60 s

Predicted MW: 57 kDa

Observed MW: 57 kDa



Cell line: HeLa

Fixative: 4% Paraformaldehyde

Permeabilization: 0.1% TritonX-100

Primary ab dilution: 1:50



Primary incubation condition: 4°C overnight

Secondary ab: Goat Anti-Mouse IgG

Nuclear counter stain: DAPI (Blue)

Comment: Color green is the positive signal for SLM-60570M