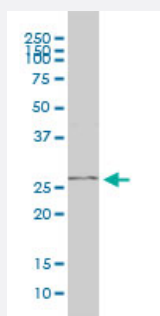


PGAM1 monoclonal antibody (M01), clone 2G1-A6

Catalog # H00005223-M01

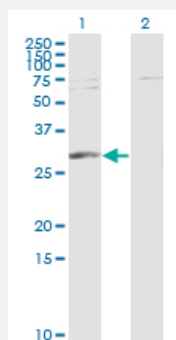
Size 100 ug

Applications



Western Blot (Cell lysate)

PGAM1 monoclonal antibody (M01), clone 2G1-A6 Western Blot analysis of PGAM1 expression in Jurkat (Cat # L017V1).

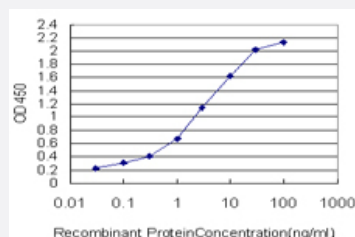


Western Blot (Transfected lysate)

Western Blot analysis of PGAM1 expression in transfected 293T cell line by PGAM1 monoclonal antibody (M01), clone 2G1-A6.

Lane 1: PGAM1 transfected lysate (Predicted MW: 28.8 KDa).

Lane 2: Non-transfected lysate.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PGAM1 is approximately 0.03ng/ml as a capture antibody.

Specification

Product Description

Mouse monoclonal antibody raised against a full length recombinant PGAM1.

Immunogen	PGAM1 (AAH11678.1, 1 a.a. ~ 254 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MAAYKLVLRHGESAWNLENRFSGWYDADLSPAGHEEAKRGGQALRDAGYEFDICFTSVQKRAI RTLWTVLD AIDQM WLPVVRTWRLNERHYGGLTGLNKAETA AAKHGEAQVKWRRSYDVPPPPMEP DHPFYNSISKDRRYADLTEDQLPSCESLKD TIARALPFWNEEIVPQIKEGKRVLIAAHGNSLRGIVK HLEGLSEEAIMELNLPTGIPIVYELDKNLKPIKPMQFLGDEETVRKAMEAVAAQ GKAKK
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
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 (Cell lysate)

PGAM1 monoclonal antibody (M01), clone 2G1-A6 Western Blot analysis of PGAM1 expression in Jurkat (Cat # L017V1).

[Protocol Download](#)

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[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PGAM1 is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — PGAM1

Entrez GeneID	5223
GeneBank Accession#	BC011678
Protein Accession#	AAH11678.1
Gene Name	PGAM1
Gene Alias	PGAM-B, PGAMA
Gene Description	phosphoglycerate mutase 1 (brain)
Omim ID	172250
Gene Ontology	Hyperlink
Gene Summary	nonmuscle form
Other Designations	OTTHUMP00000020190 OTTHUMP00000059414 phosphoglycerate mutase A, nonmuscle form

Publication Reference

- [Comparative proteomic profiling of human bile reveals SSP411 as a novel biomarker of cholangiocarcinoma.](#)

Shen J, Wang W, Wu J, Feng B, Chen W, Wang M, Tang J, Wang F, Cheng F, Pu L, Tang Q, Wang X, Li X.
PLoS One 2012 Oct; 7(10):e47476.

Application: IHC-P, WB, Human, Biles, Cholangiocarcinoma

- [High prevalence of autoantibodies against phosphoglycerate mutase 1 in patients with autoimmune central nervous system diseases.](#)

Kimura A, Sakurai T, Koumura A, Yamada M, Hayashi Y, Tanaka Y, Hozumi I, Tanaka R, Takemura M, Seishima M, Inuzuka T.
Journal of Neuroimmunology 2009 Dec; 219(1-2):105.

Application: WB, Human, Serum from patients with multiple sclerosis

Pathway

- [Biosynthesis of alkaloids derived from histidine and purine](#)
- [Biosynthesis of alkaloids derived from ornithine](#)
- [Biosynthesis of alkaloids derived from shikimate pathway](#)
- [Biosynthesis of alkaloids derived from terpenoid and polyketide](#)
- [Biosynthesis of phenylpropanoids](#)

- [Biosynthesis of plant hormones](#)
- [Biosynthesis of terpenoids and steroids](#)
- [Glycolysis / Gluconeogenesis](#)
- [Metabolic pathways](#)