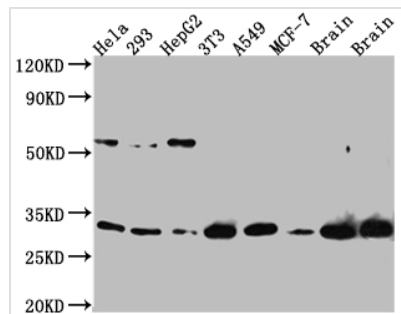




PGAM1 Antibody

Product Code	CSB-RA935337A0HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P18669
Immunogen	A synthesized peptide derived from human PGAM1
Species Reactivity	Human, Mouse, Rat
Tested Applications	ELISA, WB; Recommended dilution: WB:1:500-1:5000
Relevance	Interconversion of 3- and 2-phosphoglycerate with 2,3-bisphosphoglycerate as the primer of the reaction. Can also catalyze the reaction of EC 5.4.2.4 (synthase), but with a reduced activity.
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity-chromatography
Isotype	Rabbit IgG
Clonality	Monoclonal
Product Type	Recombinant Antibody
Immunogen Species	Homo sapiens (Human)
Research Area	Cancer; Metabolism; Signal transduction
Gene Names	PGAM1
Accession NO.	9A5

Image



Western Blot

Positive WB detected in: HeLa whole cell lysate, 293 whole cell lysate, HepG2 whole cell lysate, NIH/3T3 whole cell lysate, A549 whole cell lysate, MCF-7 whole cell lysate, Mouse Brain whole cell lysate, Rat Brain whole cell lysate
All lanes: PGAM1 Antibody at 1:1000

Secondary

Goat polyclonal to rabbit IgG at 1/50000 dilution
Predicted band size: 28 kDa
Observed band size: 29 kDa

Description

CUSABIO cloned the DNA sequence encoding the PGAM1 monoclonal antibody into the plasmid and then transfected into the cell line for expression. The PGAM1 monoclonal antibody resulted from the animals immunized with the synthesized peptide that was derived from human PGAM1. The product was purified through the affinity-chromatography method and then got the



recombinant PGAM1 monoclonal antibody. It belongs to the rabbit IgG. This PGAM1 antibody can be used to detect the PGAM1 protein from human, mouse, and rat samples in ELISA and WB applications.

PGAM1 is a metabolic enzyme that catalyzes the reversible conversion of 3-phosphoglycerate and 2-phosphoglycerate during the process of glycolysis. Multiple studies have demonstrated that PGAM1 is detected in a variety of tumorous tissues and is an important player in driving cancer progression and metastasis. According to the finding of Zhang et al., PGAM1 expression was linked to age, lymphatic metastasis, and tumor recurrence, and was also linked to a lower overall survival (OS) and disease-free survival (DFS).