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Product datasheet for TA504860

PGM3 Mouse Monoclonal Antibody [Clone ID: OTI1B8]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1B8
Applications:	FC, IHC, WB
Recommend Dilution:	WB 1:500~2000, IHC 1:150, FLOW 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human PGM3(NP_056414) produced in HEK293T cell.
Formulation:	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Predicted Protein Size:	59.7 kDa
Gene Name:	phosphoglucomutase 3
Database Link:	NP_056414 Entrez Gene 5238 Human
Background:	This gene encodes a member of the phosphohexose mutase family. The encoded protein mediates both glycogen formation and utilization by catalyzing the interconversion of glucose-1-phosphate and glucose-6-phosphate. A non-synonymous single nucleotide polymorphism in this gene may play a role in resistance to diabetic nephropathy and neuropathy. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2010]
Synonyms:	AGM1; IMD23; PAGM; PGM 3
Protein Pathways:	Amino sugar and nucleotide sugar metabolism

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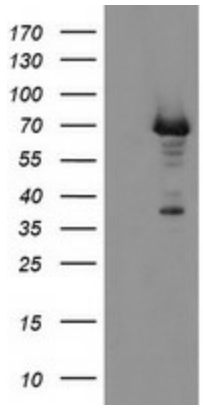
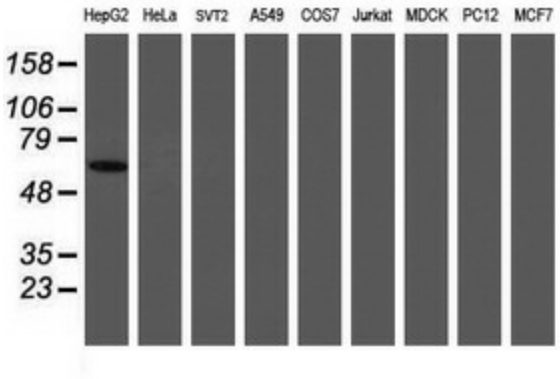
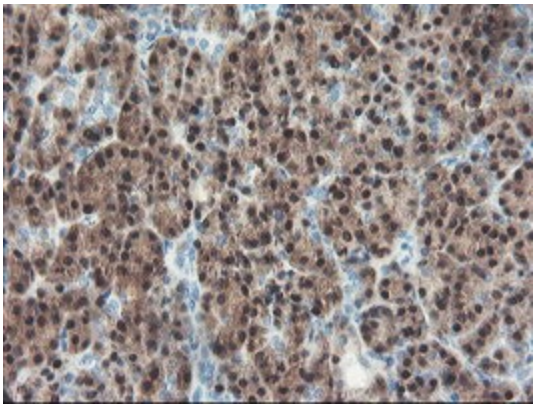
Product images:



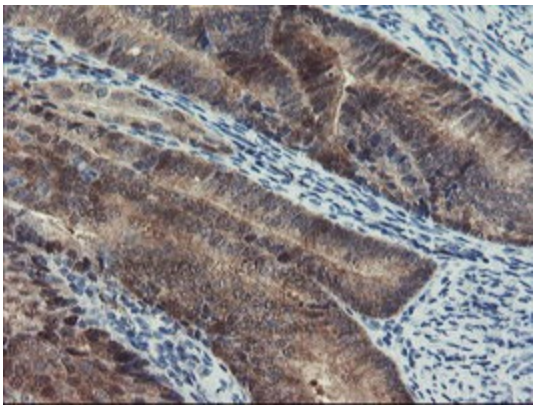
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY PGM3 ([RC201522], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PGM3. Positive lysates [LY414446] (100ug) and [LC414446] (20ug) can be purchased separately from OriGene.



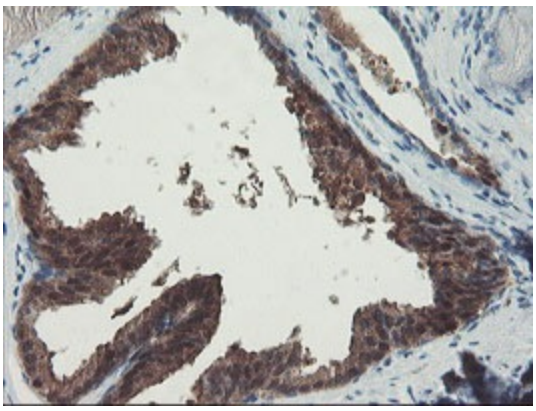
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-PGM3 monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).



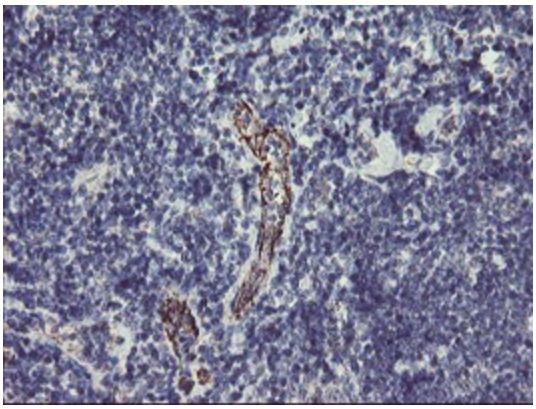
Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-PGM3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA504860)



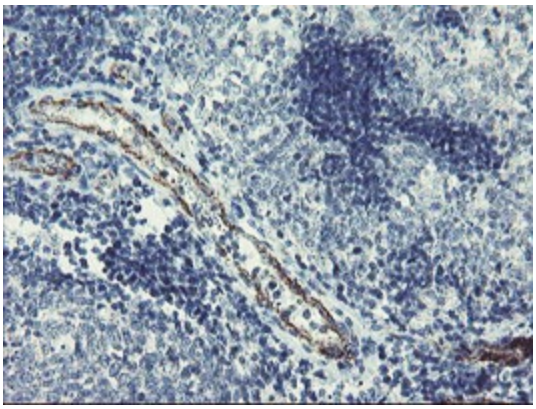
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-PGM3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA504860)



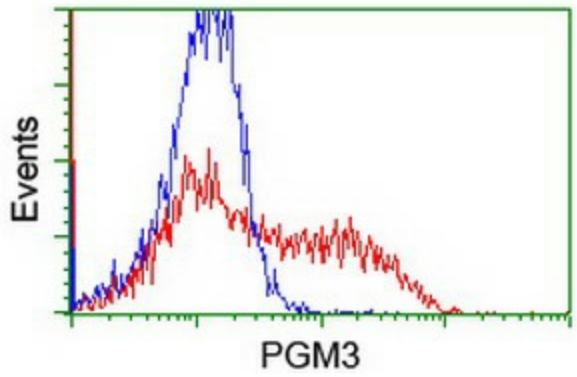
Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-PGM3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA504860)



Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-PGM3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA504860)



Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-PGM3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA504860)



HEK293T cells transfected with either [RC201522] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-PGM3 antibody (TA504860), and then analyzed by flow cytometry.