PGAM1 polyclonal antibody

Catalog: BS91061 Host: Rabbit Reactivity: Human, Mouse, Rat

BackGround:

Members of the PGAM (phosphoglycerate mutase) family of proteins are important components of glucose and 2,3-BPGA (2,3-bisphosphoglycerate) metabolism. They are responsible for catalyzing the transfer of phospho groups between the carbon atoms of phosphoglycerates. In mammals there are two types of PGAM isozymes: PGAM1 (also known as PGAMB) and PGAM2 (also known as PGAMA). In the cell, PGAM1 and PGAM2 exist as either homodimers or heterodimers and are responsible for the interconversion of 3-phosphoglycerate and 2-phosphoglycerate. PGAM2 homodimers are expressed in skeletal muscle, mature sperm cells and heart; PGAM1 homodimers are found in most other tissues; and PGAM1/PGAM2 heterodimers are found exclusively in the heart. PGAM4, also known as PGAM3, is a protein formerly considered to be specific to humans. Initially the PGAM4 gene was described as a pseudogene but it is now known to encode a functional protein at least 25 million years old. The gene encoding PGAM4 is believed to have originated by retrotransposition, with the original copy being the PGAM1 gene.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

29 kDa

Swiss-Prot:

P18669(Human) Q9DBJ1(Mouse) P25113(Rat)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:500-1:2,000

IHC:1:50-1:100

FC:1:50-1:100

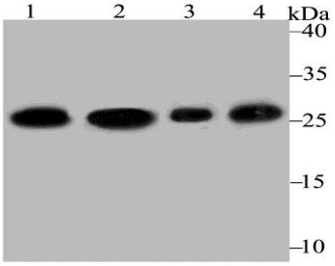
Storage&Stability:

Store at +4 ℃ after thawing. Aliquot store at -20 ℃. Avoid repeated freeze / thaw cycles.

Specificity:

PGAM1 polyclonal antibody detects endogenous levels of PGAM1 protein.

DATA:



Western blot analysis of PGAM1 on different lysates using anti-PGAM1 antibody at 1/2,000 dilution.

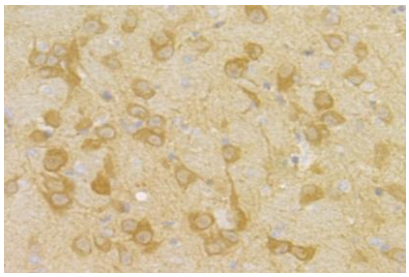
Positive control:

Lane 1: A431

Lane 2: A549

Lane 3: Rat brain

Lane 4: Mouse brain



Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-PGAM1 antibody. Counter stained with hematoxylin.

Note:

For research use only, not for use in diagnostic procedure.

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