

RK05650

Leader in Biomolecular Solutions for Life Science

[One Step] GPI Antibody Kit

Catalog No.: RK05650



Basic Information

Applications

Cross-Reactivity

Human, Mouse, Rat

Observed MW

58kDa

Calculated MW

63kDa

Category

Antibody kit

Background

This gene encodes a member of the glucose phosphate isomerase protein family. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. In the cytoplasm, the gene product functions as a glycolytic enzyme (glucose-6-phosphate isomerase) that interconverts glucose-6-phosphate and fructose-6-phosphate. Extracellularly, the encoded protein (also referred to as neuroleukin) functions as a neurotrophic factor that promotes survival of skeletal motor neurons and sensory neurons, and as a lymphokine that induces immunoglobulin secretion. The encoded protein is also referred to as autocrine motility factor based on an additional function as a tumor-secreted cytokine and angiogenic factor. Defects in this gene are the cause of nonspherocytic hemolytic anemia and a severe enzyme deficiency can be associated with hydrops fetalis, immediate neonatal death and neurological impairment. Alternative splicing results in multiple transcript variants.

Product Information

Source

Rabbit

Purification

Storage

Avoid repeated freeze-thaw cycles.

Contact



www.abclonal.com

Component & Recommended Dilutions

Catalog No.	Product Name	Dilutions
RK05650-1	glucose-6-phosphate isomerase Rabbit pAb	63kDa
RK05650-2	HRP-conjugated Goat anti-Rabbit IgG (H+L)	58kDa

Immunogen Information

Gene ID

2821

Swiss Prot

P06744

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-280 of human glucose-6-phosphate isomerase (NP_000166.2).

Synonyms

AMF; NLK; PGI; PHI; GNPI; SA36; SA-36; glucose-6-phosphate isomerase