

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](http://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