

## Product datasheet for **AP10043PU-N**

### Glucose 6 phosphate isomerase (GPI) Goat Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	<b>Peptide ELISA:</b> 1/128000. <b>Western blot:</b> Approx 60kDa band observed in Human Heart lysates (calculated MW of 63.1kDa according to NP_000166.2). Recommended concentration: 0.01 - 0.03 µg/ml. <b>Immunohistochemistry on Paraffin Sections:</b> 3.75 µg/ml. Paraffin embedded Human Testis, Thyroid and Kidney.
Reactivity:	Human, Porcine
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Peptide with sequence C-YREHRSELNLR, from the internal region (near N Terminus) of the protein sequence according to NP_000166.2.
Specificity:	This antibody reacts to Neuroleukin.
Formulation:	Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	glucose-6-phosphate isomerase
Database Link:	<a href="#">Entrez Gene 2821 Human P06744</a>



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**Background:** Glucose 6 phosphate isomerase is a neurotrophic factor for spinal and sensory neurons. It is involved in glycolysis and gluconeogenesis. Defects in this protein are a cause of hereditary nonspherocytic hemolytic anemia. Glucose 6 phosphate isomerase deficiencies can be associated with hydrops fetalis, immediate neonatal death and neurological impairment.

**Synonyms:** Phosphoglucose isomerase, PGI, Phosphohexose isomerase, PHI, Neuroleukin, NLK

**Product images:**



Anti-Neuroleukin (0.01 ug/ml) staining of Human Heart lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.