ARG65116
anti-Glucose 6 phosphate isomerase antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes Glucose 6 phosphate isomerase
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	Glucose 6 phosphate isomerase
Species	Human
Immunogen	C-YREHRSELNLRR
Conjugation	Un-conjugated
Alternate Names	PHI; SA36; GPI; SA-36; EC 5.3.1.9; Autocrine motility factor; Neuroleukin; GNPI; PGI; Sperm antigen 36; Phosphoglucose isomerase; Glucose-6-phosphate isomerase; NLK; AMF; Phosphohexose isomerase

Application Instructions

Application table

Application	Dilution
IHC-P	3 - 5 µg/ml
WB	0.01 - 0.03 µg/ml

Application Note

WB: Recommend incubate at RT for 1h.
IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

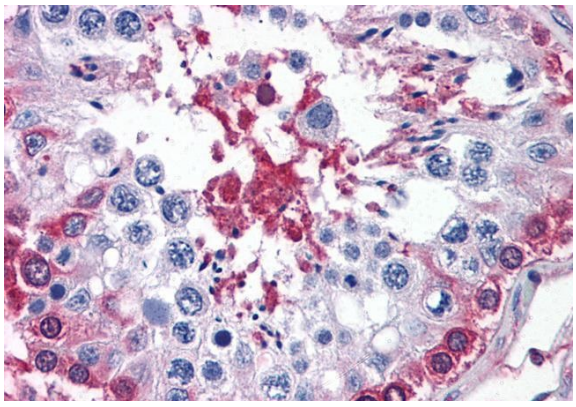
Bioinformation

Database links	GeneID: 2821 Human Swiss-port # P06744 Human
Background	This gene belongs to the GPI family whose members encode multifunctional phosphoglucose isomerase proteins involved in energy pathways. The protein encoded by this gene is a dimeric enzyme that catalyzes the reversible isomerization of glucose-6-phosphate and fructose-6-phosphate. The protein functions in different capacities inside and outside the cell. In the cytoplasm, the gene product is involved in glycolysis and gluconeogenesis, while outside the cell it functions as a neurotrophic factor for spinal and sensory neurons. 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. [provided by RefSeq, Jul 2008]
Research Area	Cancer antibody; Immune System antibody; Metabolism antibody; Neuroscience antibody; Signaling Transduction antibody
Calculated Mw	63 kDa
PTM	Phosphorylation at Ser-185 by CK2 has been shown to decrease enzymatic activity and may contribute to secretion by a non-classical secretory pathway. ISGylated.

Images

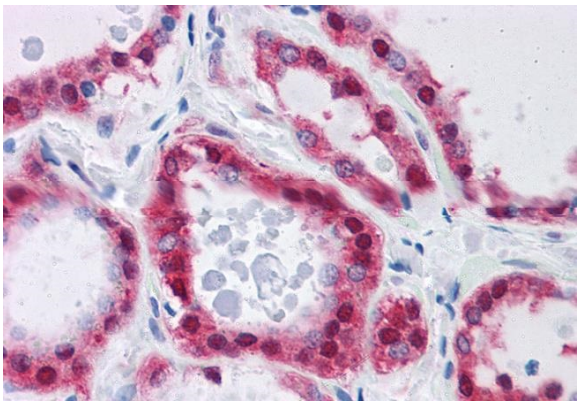
ARG65116 anti-Glucose 6 phosphate isomerase antibody WB image

Western blot: 35 µg of Human Heart lysate stained with ARG65116 anti-Glucose 6 phosphate isomerase antibody at 0.01 µg/ml dilution.



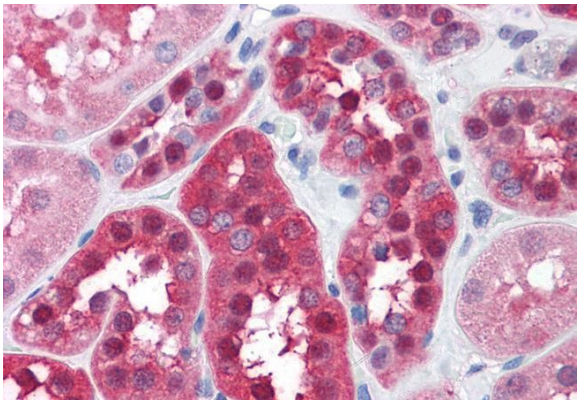
ARG65116 anti-Glucose 6 phosphate isomerase antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human testis tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG65116 anti-Glucose 6 phosphate isomerase antibody at 3.75 µg/ml dilution followed by AP-staining.



ARG65116 anti-Glucose 6 phosphate isomerase antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human thyroid tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG65116 anti-Glucose 6 phosphate isomerase antibody at 3.75 µg/ml dilution followed by AP-staining.



ARG65116 anti-Glucose 6 phosphate isomerase antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human kidney tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG65116 anti-Glucose 6 phosphate isomerase antibody at 3.75 µg/ml dilution followed by AP-staining.