

Product datasheet for **TA349588S**

PGK2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 1000-5000 WB positive control: HepG2 cells and human fetal placenta tissue, 293T cells and human testis tissue, NIH/3T3 cells IHC: 50-200 Positive control: Human gastric cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human PGK2
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	45 kDa
Gene Name:	phosphoglycerate kinase 2
Database Link:	NP_620061 Entrez Gene 18663 Mouse Entrez Gene 316265 Rat Entrez Gene 5232 Human P07205
Background:	This gene is intronless, arose via retrotransposition of the phosphoglycerate kinase 1 gene, and is expressed specifically in the testis. Initially assumed to be a pseudogene, the encoded protein is actually a functional phosphoglycerate kinase that catalyzes the reversible conversion of 1,3-bisphosphoglycerate to 3-phosphoglycerate, during the Embden-Meyerhof-Parnas pathway of glycolysis, in the later stages of spermatogenesis.



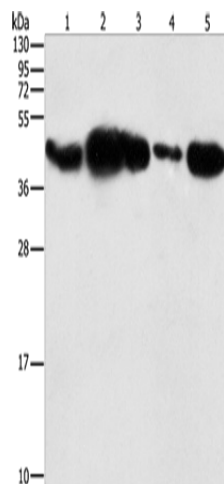
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Synonyms: dj417L20.2; HEL-S-272; PGKB; PGKPS

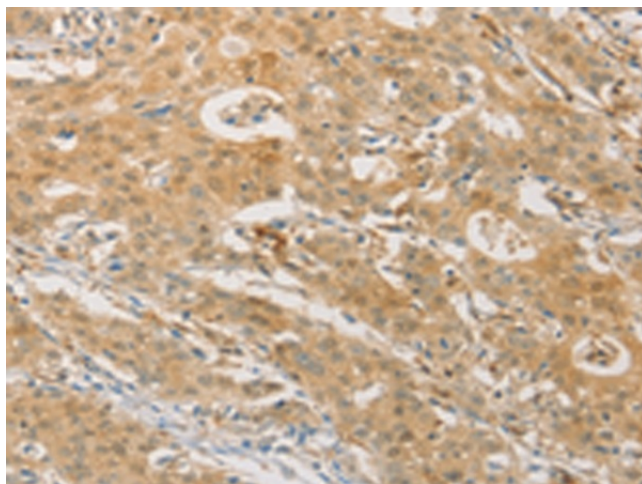
Protein Families: Druggable Genome

Protein Pathways: Glycolysis / Gluconeogenesis, Metabolic pathways

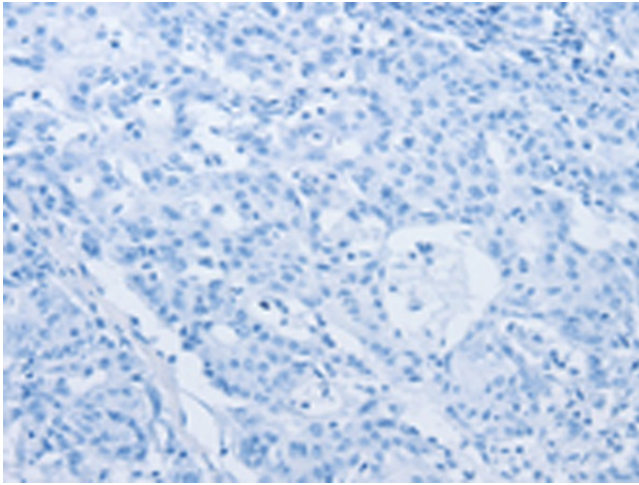
Product images:



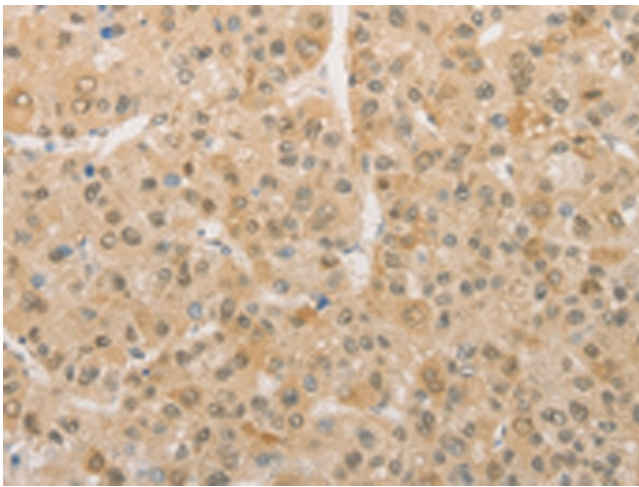
Gel: 10%SDS-PAGE
 Lysate: 40 µg
 Lane 1-5: HepG2 cells
 human fetal placenta tissue
 293T cells
 human testis tissue
 NIH/3T3 cells
 Primary antibody: [TA349588] (PGK2 Antibody) at dilution 1/600
 Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
 Exposure time: 5 seconds



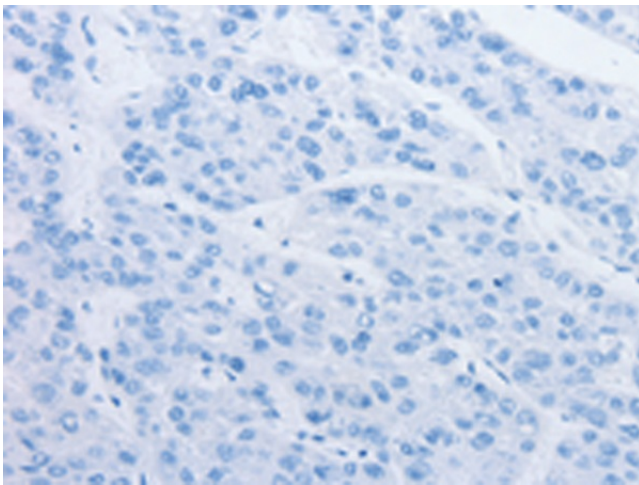
Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using [TA349588] (PGK2 Antibody) at dilution 1/50 (Original magnification: x200)



Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using [TA349588] (PGK2 Antibody) at dilution 1/50, treated with fusion protein. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using [TA349588] (PGK2 Antibody) at dilution 1/50 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using [TA349588] (PGK2 Antibody) at dilution 1/50, treated with fusion protein. (Original magnification: ×200)