Rabbit Anti-PGK1 monoclonal antibody, clone TU50-18 (CABT-L678)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	PGK1
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	TU50-18
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IP, FC
Molecular Weight	45 kDa
Cellular Localization	Cytoplasm.
Positive Control	MCF-7, Hela, HepG2.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

| Storage | Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. |

BACKGROUND

| Introduction | Phosphoglycerate kinases 1/2 (PGK1/2, ATP:3-phospho-D-glycerate 1-phosphotransferase, EC 2.7.2.3) are somatically expressed, glycolytic enzymes that catalyze the transfer of a phosphoryl group from the acyl phosphate of 1,3-bisphosphoglycerate to ADP, thereby forming ATP and 3-phosphoglycerate. The human PGK gene is interrupted by 10 introns and spans 23 kilobases, and is X chromosome-linked at position Xq21.1, a region implicated in prostate cancer, androgen insensitivity, perineal hypospadias, and other genetic abnormalities. In addition to influencing glycolysis, the PGK1 is secreted by tumor cells and contributes to proliferative angiogenic processes as a disulfide reductase. PGK1 mediated reduction of disulphide bonds in the serine proteinase plasmin initiates the release of the tumor blood vessel inhibitor angiostatin, an event that is critical for blood vessel formation or angiogenesis in tumor expansion and metastasis. |

| Keywords | Cell migration-inducing gene 10 protein;Epididymis secretory sperm binding protein Li 68p;HEL S 68p;MGC117307;MGC8947;MIG10;pgk1;PGK1_HUMAN;PGKA;Phosphoglycerate kinase 1;Primer recognition protein 2;PRP 2 antibody |