

## Rabbit PGK1 Polyclonal Antibody | anti-PGK1 antibody

PGK1 Polyclonal Antibody

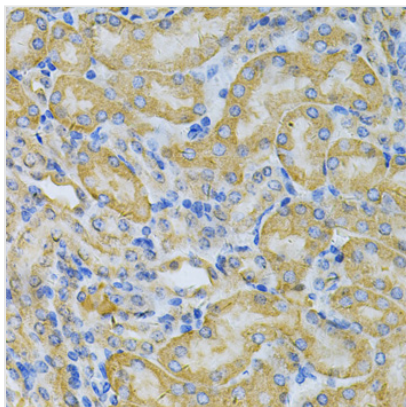
|                               |                       |                                        |                                                           |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA281183</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|

### PRODUCT SYNONYMS

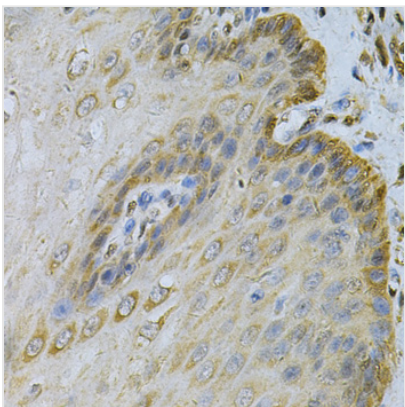
PGK1; Polyclonal Antibody; PGK1 Polyclonal Antibody; HEL-S-68p; MIG10; PGKA; anti-PGK1 antibody

### PRODUCT SPECIFICATIONS

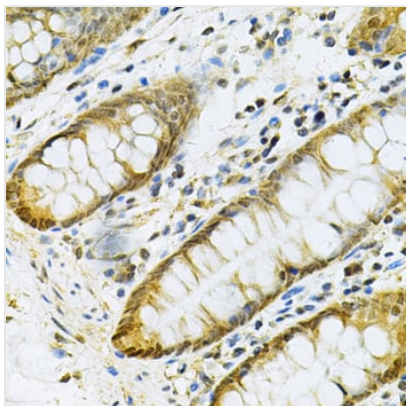
|                                                |                                                                                                                                                                                                                                                                                               |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                                                                                                                        |
| Reactivity                                     | Human, Mouse, Rat                                                                                                                                                                                                                                                                             |
| Clonality                                      | Polyclonal                                                                                                                                                                                                                                                                                    |
| Isotype                                        | IgG                                                                                                                                                                                                                                                                                           |
| Purity/Purification                            | Affinity Purification                                                                                                                                                                                                                                                                         |
| Sequence                                       | MSLSNKLTD KLDVKGKRVV MRVDFNVPMK NNQITNNQRI KAAVPSIKFC LDNGAKSVVL MSHLGRPDGV<br>PMPDKYSLEP VAVELKSLG KDVFLKDCV GPEVEKACAN PAAGSVILLE NLRFHVEEEG KGKDASGNKV<br>KAEPKIEAF RASLSKLGDV YVNDAFGTAH RAHSSMVGVN LPQKAGGFLM KKELNYFAKA LESPERPFLA<br>ILGGAKVADK IQLINNMLDK VNEMIIGGGM AFTFLKVLNN MEIGT |
| Sequence Length                                | 417                                                                                                                                                                                                                                                                                           |
| Applicable Applications for anti-PGK1 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                                                                                                                 |
| Immunogen                                      | Recombinant protein of human PGK1                                                                                                                                                                                                                                                             |
| Immunogen Species                              | Human                                                                                                                                                                                                                                                                                         |
| Storage Buffer                                 | PBS with 0.02% sodium azide, 50% glycerol, pH7.3.                                                                                                                                                                                                                                             |
| Cellular Location                              | Cytoplasm                                                                                                                                                                                                                                                                                     |
| Preparation and Storage                        | Store at -20 degree C. Avoid freeze / thaw cycles.                                                                                                                                                                                                                                            |



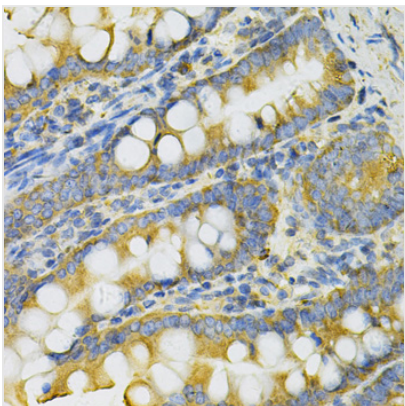
**IHC (Immunohistochemistry)**  
Immunohistochemistry of paraffin-embedded mouse kidney using PGK1 Antibody at dilution of 1:100 (40x lens).



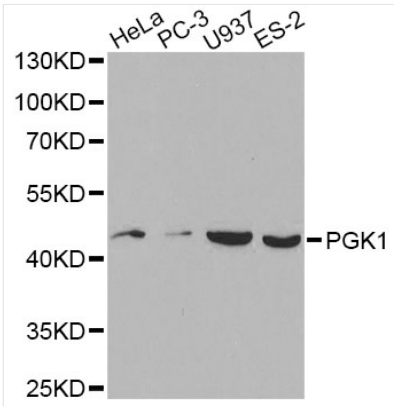
**IHC (Immunohistochemistry)**  
Immunohistochemistry of paraffin-embedded human esophagus using PGK1 Antibody at dilution of 1:100 (40x lens).



**IHC (Immunohistochemistry)**  
Immunohistochemistry of paraffin-embedded human colon using PGK1 Antibody at dilution of 1:100 (40x lens).



**IHC (Immunohistochemistry)**  
Immunohistochemistry of paraffin-embedded rat intestine using PGK1 Antibody at dilution of 1:100 (40x lens).



**WB (Western Blot)**  
Western blot analysis of extracts of various cell lines, using PGK1 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-PGK1 antibody | The protein encoded by this gene is a glycolytic enzyme that catalyzes the conversion of 1,3-diphosphoglycerate to 3-phosphoglycerate. The encoded protein may also act as a cofactor for polymerase alpha. Additionally, this protein is secreted by tumor cells where it participates in angiogenesis by functioning to reduce disulfide bonds in the serine protease, plasmin, which consequently leads to the release of the tumor blood vessel inhibitor angiostatin. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. Deficiency of the enzyme is associated with a wide range of clinical phenotypes hemolytic anemia and neurological impairment. Pseudogenes of this gene have been defined on chromosomes 19, 21 and the X chromosome. |
| Product Categories/Family for anti-PGK1 antibody   | Polyclonal Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

NCBI AND UNIPROT INFORMATION

|                                  |                                                |
|----------------------------------|------------------------------------------------|
| NCBI GI #                        | 4505763                                        |
| NCBI GeneID                      | 5230                                           |
| NCBI Accession #                 | NP_000282.1                                    |
| NCBI GenBank Nucleotide #        | NM_000291.3                                    |
| UniProt Accession #              | P00558; Q5J7W1; Q6IBT6; Q8NI87; A8K4W6; B7Z7A9 |
| Molecular Weight                 | Calculated: 41kDa; 44kDa<br>Observed: 47kDa    |
| NCBI Official Full Name          | phosphoglycerate kinase 1                      |
| NCBI Official Synonym Full Names | phosphoglycerate kinase 1                      |
| NCBI Official Symbol             | PGK1                                           |
| NCBI Official Synonym Symbols    | PGKA; MIG10; HEL-S-68p                         |
| NCBI Protein Information         | phosphoglycerate kinase 1                      |
| UniProt Protein Name             | Phosphoglycerate kinase 1                      |
| UniProt Gene Name                | PGK1                                           |
| UniProt Synonym Gene Names       | PGKA; PRP 2                                    |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/pgk1-antibody-immunohistochemistry-western-blot-elisa/281183>