Cohesion BIOSCIENCES

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Product Data Sheet

Anti-PGK1 Antibody [KO/KD Validated]

Catalog #	Source	Reactivity	Applications
CQA9049	Mouse	H, M	WB, IH, FC

Description	Mouse monoclonal antibody to PGK1
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human PGK1. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of PGK1 protein.
Clonality	Monoclonal
Conjugation	
Form	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Dilution	WB (1/500 - 1/2000), IH (1/50 - 1/100), FC (1/50 - 1/100)
Gene Symbol	PGK1
Alternative Names	PGKA; Phosphoglycerate kinase 1; Cell migration-inducing gene 10 protein; Primer recognition protein 2; PRP 2
Entrez Gene	5230 (Human); 18655 (Mouse)
SwissProt	P00558 (Human); P09411 (Mouse)
Storage/Stability	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference
Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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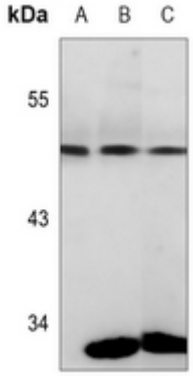
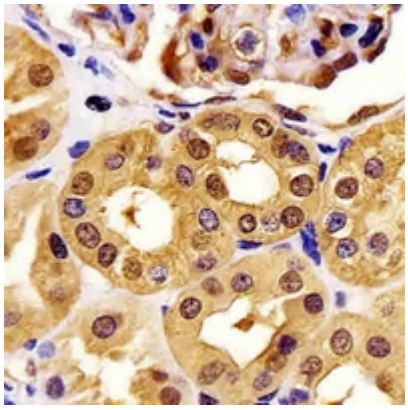
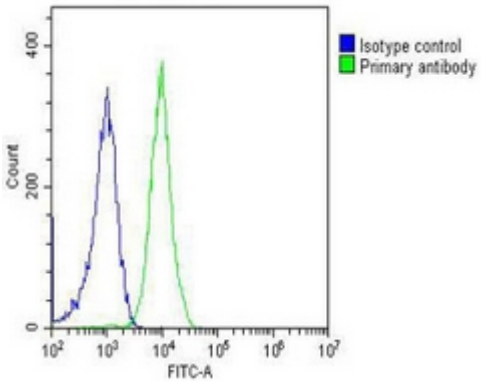


Western blot analysis of PGK1 expression in HEK293T (A), A431 (B), mouse brain (C) whole cell lysates. (Predicted band size: 44 kD; Observed band size: 44 kD)



Immunohistochemical analysis of PGK1 staining in human kidney formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Overlay histogram showing Jurkat cells stained with Anti-PGK1 Antibody (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then icubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by Anti-PGK1 Antibody for 60 min at 37 °C. The secondary antibody used was Goat Anti-Mouse IgG (H&L) - AF488 at 1/200 dilution for 40 min at 37 °C. Isotype control antibody (blue line) was mouse IgG2a (1µg/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.

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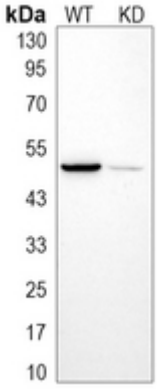

Western blot analysis of PGK1 expression in wild type (WT) and knockdown (KD) HeLa cell lysates.

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