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Anti-ADPGK Antibody

Catalog # AP53786

Product Information

Application	WB, IHC, IF/IC
Primary Accession	Q9BRR6
Reactivity	Human, Mouse, Rat, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	54089

Additional Information

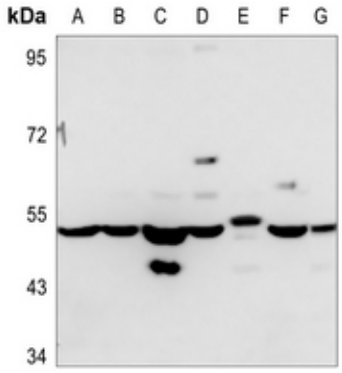
Gene ID	83440
Other Names	ADP-dependent glucokinase; ADP-GK; ADPGK; RbBP-35
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human ADPGK. The exact sequence is proprietary.
Dilution	WB~~1/500 - 1/1000 IHC~~1/50 - 1/200 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

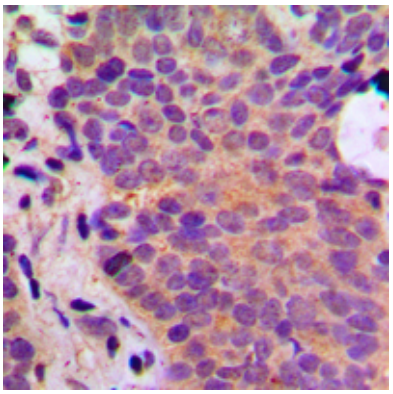
Protein Information

Name	ADPGK
Function	Catalyzes the phosphorylation of D-glucose to D-glucose 6- phosphate using ADP as the phosphate donor (PubMed:22219026). GDP and CDP can replace ADP, but with reduced efficiency.
Cellular Location	Secreted.

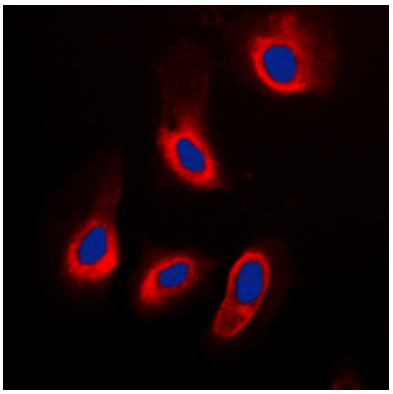
Images

Western blot analysis of ADPGK expression in HEK293T (A), A375 (B), MEF (C), mouse kidney (D), mouse testis (E), rat kidney (F), rat testis (G) whole cell lysates. (Predicted band size: 8; 24; 28; 38; 53; 54 kD; Observed band size: 54 kD)

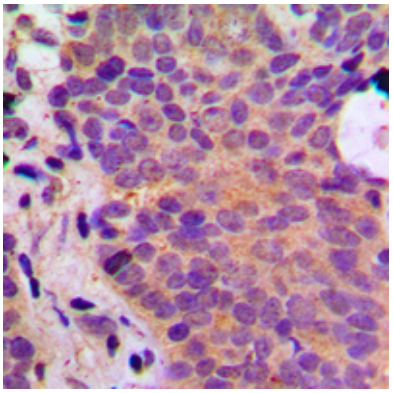




Immunohistochemical analysis of ADPGK staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected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



Immunofluorescent analysis of ADPGK staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.