



# ADP-GK Polyclonal Antibody

<b>Catalog No</b>	BYab-03682
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Gene Name</b>	ADPGK
<b>Protein Name</b>	ADP-dependent glucokinase
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human ADPGK. AA range:241-290
<b>Specificity</b>	ADP-GK Polyclonal Antibody detects endogenous levels of ADP-GK protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications.
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	ADPGK; PSEC0260; ADP-dependent glucokinase; ADP-GK; ADPGK; RbBP-35
<b>Observed Band</b>	47kD
<b>Cell Pathway</b>	Secreted .
<b>Tissue Specificity</b>	Brain,Heart,Kidney,Lymph node,Teratocarcinoma,Testis,
<b>Function</b>	catalytic activity:ADP + D-glucose = AMP + D-glucose 6-phosphate.,cofactor: Binds 1 magnesium ion per subunit.,function:Catalyzes the phosphorylation of D-glucose to D-glucose 6-phosphate using ADP as the phosphate donor. GDP and CDP can replace ADP, but with reduced efficiency.,pathway:Carbohydrate degradation; glycolysis.,similarity:Belongs to the ADP-dependent glucokinase family.,similarity:Contains 1 ADPK (ADP-dependent kinase) domain.,subunit:Monomer.,
<b>Background</b>	ADPGK (EC 2.7.1.147) catalyzes the ADP-dependent phosphorylation of glucose to glucose-6-phosphate and may play a role in glycolysis, possibly during

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ischemic conditions (Ronimus and Morgan, 2004 [PubMed 14975750]).[supplied by OMIM, Mar 2008],

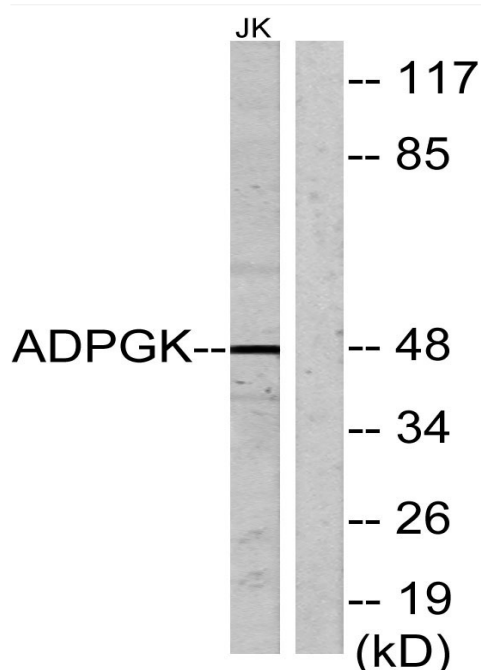
**matters needing attention**

Avoid repeated freezing and thawing!

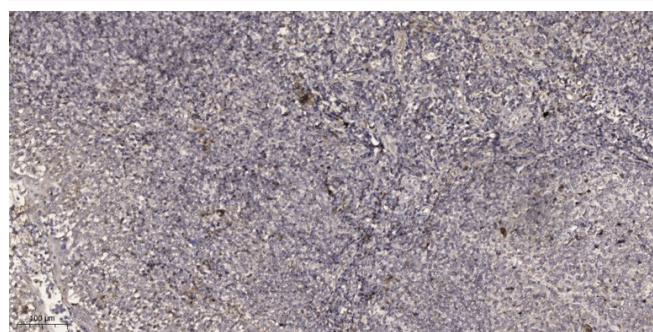
**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western blot analysis of lysates from Jurkat cells, using ADPGK Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).

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