



ADP-GK Monoclonal Antibody

Catalog No	BYmab-03682
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	ADPGK
Protein Name	ADP-dependent glucokinase
Immunogen	The antiserum was produced against synthesized peptide derived from human ADPGK. AA range:241-290
Specificity	ADP-GK Monoclonal Antibody detects endogenous levels of ADP-GK protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ADPGK; PSEC0260; ADP-dependent glucokinase; ADP-GK; ADPGK; RbBP-35
Observed Band	47kD
Cell Pathway	Secreted .
Tissue Specificity	Brain,Heart,Kidney,Lymph node,Teratocarcinoma,Testis,
Function	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.,
Background	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 ischemic conditions (Ronimus and Morgan, 2004 [PubMed 14975750]).[supplied

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by OMIM, Mar 2008],

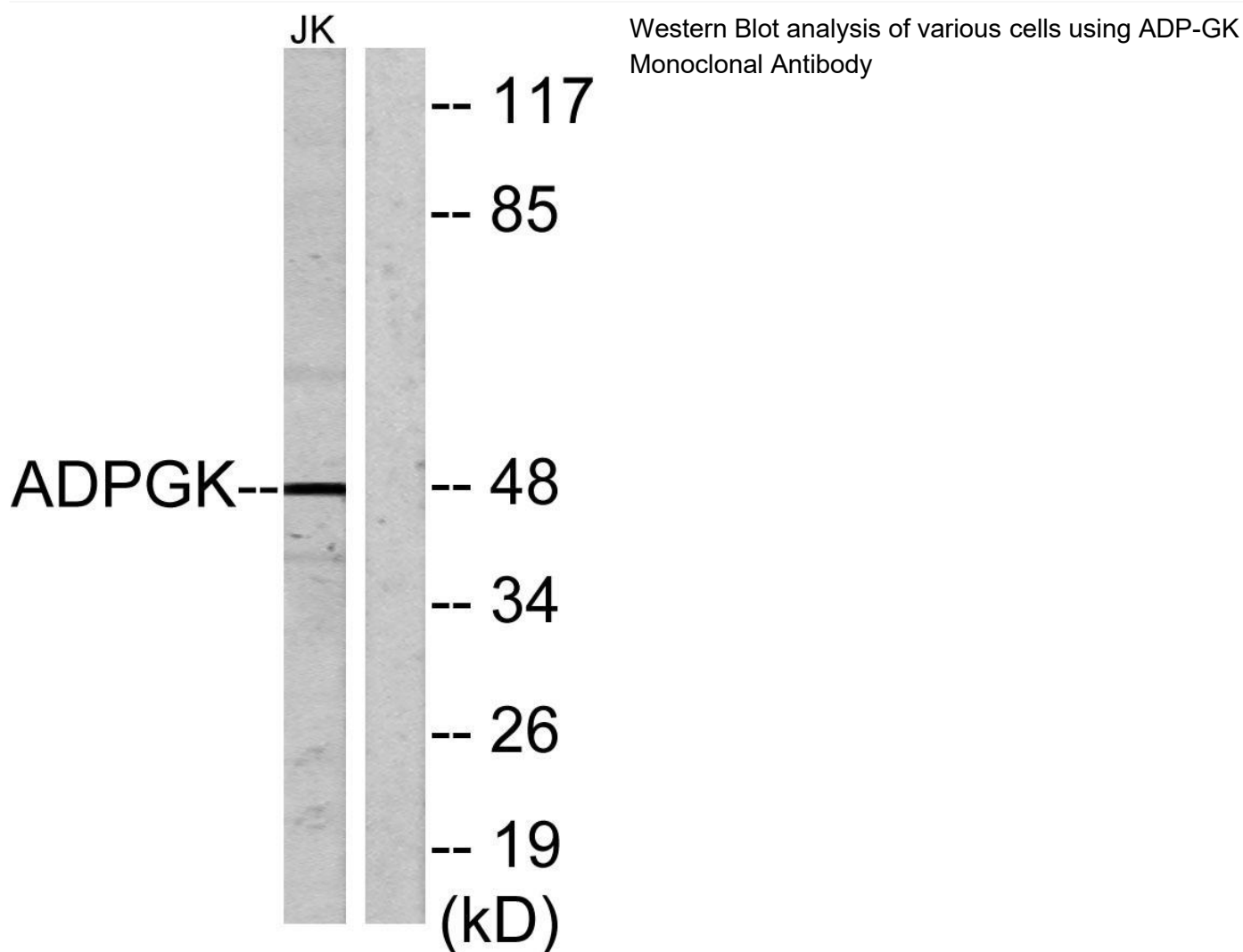
matters needing attention

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



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