

Mouse ADPGK Monoclonal Antibody | anti-ADPGK antibody

ADPGK (ADP-dependent Glucokinase, ADP-GK, RbBP-35, PSEC0260, 2610017G09Rik, DKFZp434B195) (Biotin)

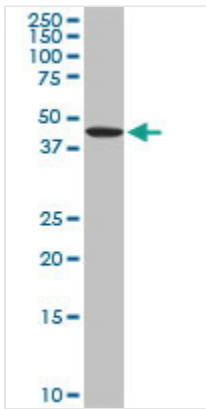
CATALOG # AAA24714	HOST Mouse	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

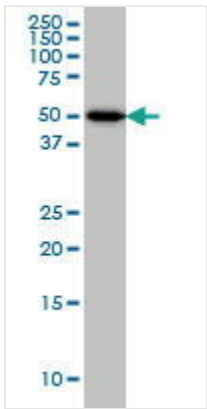
ADPGK; Monoclonal Antibody; ADPGK (ADP-dependent Glucokinase; ADP-GK; RbBP-35; PSEC0260; 2610017G09Rik; DKFZp434B195) (Biotin); anti-ADPGK antibody

PRODUCT SPECIFICATIONS

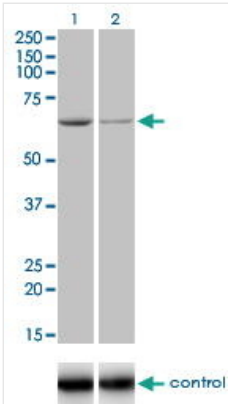
Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	1E4
Specificity	Recognizes human ADPGK. Species Crossreactivity: mouse and rat.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Applicable Applications for anti-ADPGK antibody	ELISA, WB (Western Blot)
Application Notes	Applications are based on unconjugated antibody.
Immunogen	Partial recombinant corresponding to aa425-497 from human ADPGK (NP_112574) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	SLRAPQEFMTSHSEAGSRIVLNPKNPVVEWHREGISFHFTPVLVCKDPIRTVGLGDAISAEGLFYSEVHPHY
Conjugate	Biotin
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.



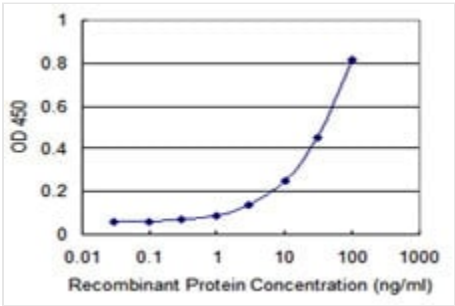
WB (Western Blot)
ADPGK monoclonal antibody. Western Blot analysis of ADPGK expression in Raw 264.7.



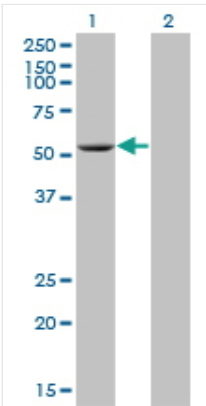
WB (Western Blot)
ADPGK monoclonal antibody, Western Blot analysis of ADPGK expression in HeLa.



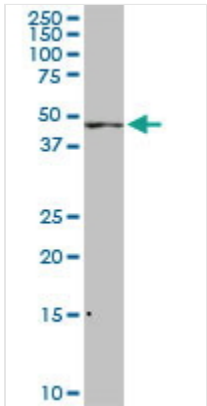
WB (Western Blot)
Western blot analysis of ADPGK over-expressed 293 cell line, cotransfected with ADPGK Validated Chimera RNAi (Lane 2) or non-transfected control (Lane 1). Blot probed with ADPGK monoclonal antibody. GAPDH (36.1kD) used as specificity and loading control.



Application Data
Detection limit for recombinant GST tagged ADPGK is 0.3ng/ml as a capture antibody.



WB (Western Blot)
Western Blot analysis of ADPGK expression in transfected 293T cell line by ADPGK monoclonal antibody. Lane 1: ADPGK transfected lysate (54.1kD). Lane 2: Non-transfected lysate.



WB (Western Blot)
ADPGK monoclonal antibody. Western Blot analysis of ADPGK expression in NIH/3T3.

ADDITIONAL INFORMATION

Related Product Information for anti-ADPGK antibody	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.
Product Categories/Family for anti-ADPGK antibody	Antibodies; Protein Kinases

NCBI AND UNIPROT INFORMATION

NCBI GI #	31542509
NCBI GeneID	83440
NCBI Accession #	NP_112574
NCBI GenBank Nucleotide #	NM_031284
UniProt Accession #	Q9BRR6; Q49AU7; Q8NBI1; Q8WZ90; Q96NF8; Q9H0A7
Molecular Weight	8,252 Da
NCBI Official Full Name	ADP-dependent glucokinase
NCBI Official Synonym Full Names	ADP-dependent glucokinase
NCBI Official Symbol	ADPGK
NCBI Official Synonym Symbols	ADP-GK; 2610017G09Rik
NCBI Protein Information	ADP-dependent glucokinase; ATP-dependent glucokinase; rbBP-35
UniProt Protein Name	ADP-dependent glucokinase
UniProt Gene Name	ADPGK
UniProt Synonym Gene Names	ADP-GK; ADPGK
UniProt Entry Name	ADPGK_HUMAN

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/monoclonal/adpgk-antibody-clone-1e4-western-blot-elisa/24714>