

**Anti-ADPGK Antibody**  
**Catalog # AP53786****Specification**

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**Anti-ADPGK Antibody - Product Information**

Application	WB, IF, IHC
Primary Accession	<a href="#">Q9BRR6</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	54089

**Anti-ADPGK Antibody - 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

IF~~1/50 - 1/200

IHC~~1:100~500

**Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**Anti-ADPGK Antibody - Protein Information****Name** ADPGK**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 (By similarity).

**Cellular Location**

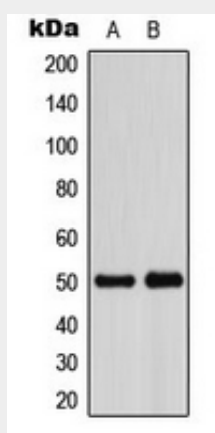
Secreted.

## Anti-ADPGK Antibody - Protocols

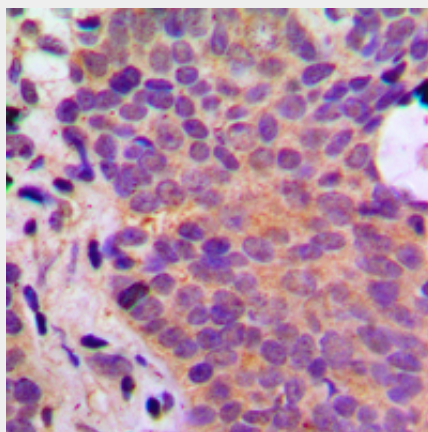
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

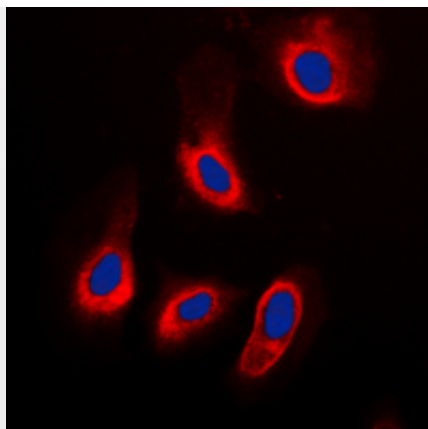
## Anti-ADPGK Antibody - Images



Western blot analysis of ADPGK expression in HeLa (A), VEC (B) whole cell lysates.



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).

#### **Anti-ADPGK Antibody - Background**

Rabbit polyclonal antibody to ADPGK