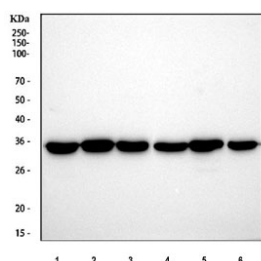


## GAPDH Antibody [clone BG-7] (RQ5051)

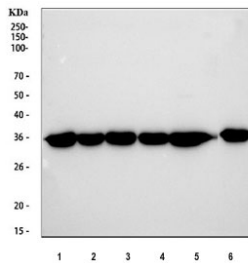
Catalog No.	Formulation	Size
RQ5051	Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA	100 ul

[Bulk quote request](#)

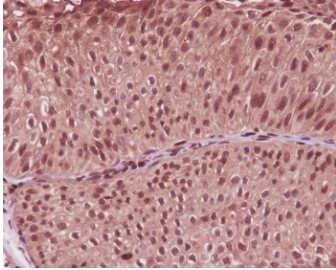
Availability	1-2 weeks
Species Reactivity	Human, Mouse, Rat
Format	Purified
Clonality	Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	BG-7
Purity	Affinity purified
UniProt	P04406
Localization	Nuclear, cytoplasmic
Applications	Western Blot : 1:3000-1:10000 Immunohistochemistry (FFPE) : 1:100-1:250 Immunofluorescence : 1:100-1:250
Limitations	This GAPDH antibody is available for research use only.



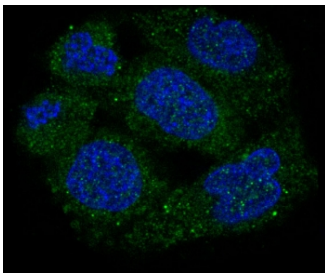
Western blot testing of 1) rat liver, 2) rat brain, 3) rat RH35, 4) mouse liver, 5) mouse brain and 6) mouse NIH 3T3 cell lysate with GAPDH antibody. Predicted molecular weight ~36 kDa.



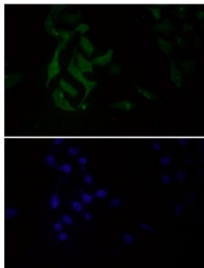
Western blot testing of 1) human HeLa, 2) human K562, 3) human MCF7, 4) human A549, 5) human PC-3 and 6) monkey COS7 cell lysate with GAPDH antibody. Predicted molecular weight ~36 kDa.



IHC staining of FFPE human bladder cancer with GAPDH antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



Immunofluorescent staining of human HeLa cells with GAPDH antibody (green) and DAPI nuclear stain (blue).



Immunofluorescent staining of human HeLa cells with GAPDH antibody (green) and DAPI nuclear stain (blue).

## Description

This gene encodes a member of the glyceraldehyde-3-phosphate dehydrogenase protein family. The product of this gene catalyzes an important energy-yielding step in carbohydrate metabolism, the reversible oxidative phosphorylation of glyceraldehyde-3-phosphate in the presence of inorganic phosphate and nicotinamide adenine dinucleotide (NAD). [RefSeq]

## Application Notes

Optimal dilution of the GAPDH antibody should be determined by the researcher.

## Immunogen

A synthetic peptide specific to human GAPDH was used as the immunogen for the GAPDH antibody.

## Storage

Store the GAPDH antibody at -20°C.

