

## GAPDH Polyclonal Antibody

catalog number: **E-AB-40337**

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

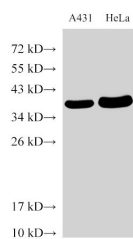
### Description

<b>Reactivity</b>	Human;Mouse;Rat
<b>Immunogen</b>	Recombinant Zebrafish Glyceraldehyde-3-phosphate dehydrogenase protein
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Antigen Affinity Purification
<b>Buffer</b>	PBS with 0.05% Proclin300, 1% protective protein and 50% glycerol, pH7.4

### Applications Recommended Dilution

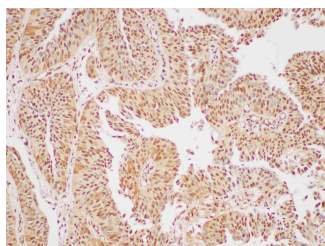
<b>WB</b>	1:3000-1:6000
<b>IHC</b>	1:300-1:500

### Data

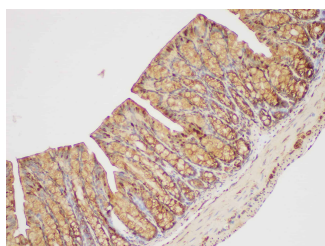


Western Blot analysis of A431 and HeLa cells using GAPDH Polyclonal Antibody at dilution of 1:5000

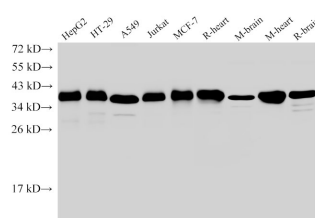
**Observed-MW:35 kDa**  
**Calculated-MW:35 kDa**



Immunohistochemistry of paraffin-embedded Human bladder cancer using GAPDH Polyclonal Antibody at dilution of 1:400

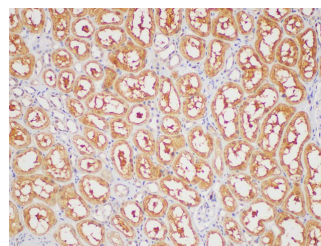


Immunohistochemistry of paraffin-embedded Mouse colon using GAPDH Polyclonal Antibody at dilution of 1:400

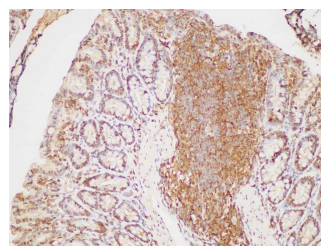


Western Blot analysis of HepG2, HT-29, A549, Jurkat, MCF-7, Rat heart, Mouse brain, Mouse heart and Rat brain using GAPDH Polyclonal Antibody at dilution of 1:5000

**Observed-MW:35 kDa**  
**Calculated-MW:35 kDa**



Immunohistochemistry of paraffin-embedded Human kidney using GAPDH Polyclonal Antibody at dilution of 1:400



Immunohistochemistry of paraffin-embedded Rat colon using GAPDH Polyclonal Antibody at dilution of 1:400

### For Research Use Only

Toll-free: 1-888-852-8623  
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Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017

Rev. V2.1

## Preparation & Storage

**Storage**

Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

**Shipping**

The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

## Background

Glyceraldehyde-3-phosphate dehydrogenase (GAPDH) catalyzes the phosphorylation of glyceraldehyde-3-phosphate during glycolysis. GAPDH participates in nuclear events including transcription, binding RNA, RNA transportation, DNA replication, DNA repair and apoptosis. Being stably and constitutively expressed at high levels in most tissues and cells, GAPDH is considered a housekeeping protein. It was widely used as a control for RT-PCR and also loading control in electrophoresis and Western blotting. GAPDH is normally expressed in cellular cytoplasm or membrane, but can occasionally translocate to the nucleus post modification such as S-nitrosylation.

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