Elabscience®

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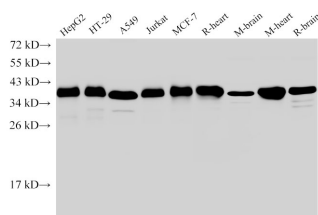# GAPDH Polyclonal Antibody

Catalog No.	E-AB-40337	**Reactivity**	H,M,R
Storage	Store at -20℃. Avoid freeze / thaw cycles.	**Host**	Rabbit
Applications	WB,IHC	**Isotype**	IgG

Note: Centrifuge before opening to ensure complete recovery of vial contents.
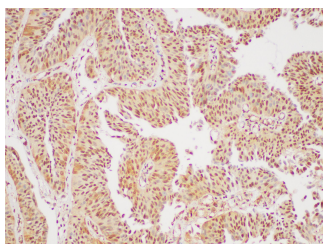
Images
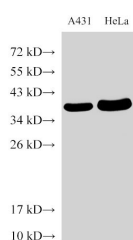
Western Blot analysis of A431 and Hela cells using GAPDH Polyclonal Antibody at dilution of 1:5000

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

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

Immunogen Information

Immunogen	Recombinant Zebrafish Glyceraldehyde-3-phosphate dehydrogenase protein
Swissprot	Q5XJ10
Synonyms	BARS-38, cb609, G3PDH, GAPD, KNC-NDS6, OCAS, p38 component

Product Information

Calculated MW	35 kDa
Observed MW	35 kDa
Buffer	PBS with 0.05% Proclin300, 50% glycerol, pH7.3.
Purify	Antigen Affinity Purification
Dilution	WB 1:3000-1:6000 IHC 1:300-1:500

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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Applications:WB-Western Blot IHC-Immunohistochemistry IF-Immunofluorescence IP-Immunoprecipitation FC-Flow cytometry ChIP-Chromatin Immunoprecipitation Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish X-Xenopus C-Cow.