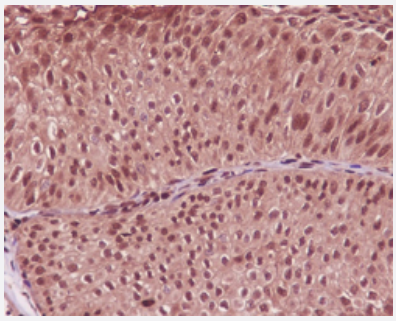
GAPDH monoclonal antibody, clone BG-7

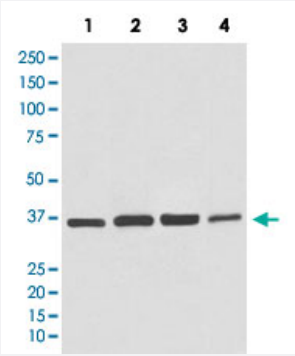
Catalog # MAB20071 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human bladder cancer with GAPDH monoclonal antibody, clone BG-7 (Cat # MAB20071).



Western Blot (Cell lysate)

Western Blot analysis of Lane 1: HeLa, Lane 2: MDBK, Lane 3: COS-1 and Lane 2: MDCK cell lysates with GAPDH monoclonal antibody, clone BG-7 (Cat # MAB20071).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human GAPDH.
Immunogen	A synthetic peptide corresponding to human GAPDH.
Host	Rabbit
Theoretical MW (kDa)	36.053
Reactivity	Human
Form	Liquid

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Purification	Affinity purification
Isotype	IgG
Recommend Usage	Flow Cytometry Immunocytochemistry (1:100-1:250) Immunofluorescence (1:100-1:250) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:100-1:250) Western Blot (1:3000-1:10000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).
Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and st ored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human bladder cancer with GAPDH monoclonal antibody, clone BG-7 (Cat # MAB20071).

- Immunofluorescence
- Immunocytochemistry
- Flow Cytometry
- Western Blot (Cell lysate)

  Western Blot analysis of Lane 1: HeLa, Lane 2: MDBK, Lane 3: COS-1 and Lane 2: MDCK cell lysates with GAPDH monoclonal antibody, clone BG-7 (Cat # MAB20071).

Gene Info — GAPDH

Entrez GeneID	2597
Protein Accession#	P04406
Gene Name	GAPDH
Gene Alias	G3PD, GAPD, MGC88685

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Gene Description	glyceraldehyde-3-phosphate dehydrogenase
Omim ID	138400
Gene Ontology	Hyperlink
Gene Summary	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). The enzyme exists as a tetramer of identical chains. Many pseudogenes similar to this locus are present in the human genome. [provided by RefSeq
Other Designations	OTTHUMP00000174431|OTTHUMP00000174432|aging-associated gene 9 protein|glyceraldehyde 3-phosphate dehydrogenase

Pathway

- Biosynthesis of alkaloids derived from histidine and purine
- Biosynthesis of alkaloids derived from ornithine
- Biosynthesis of alkaloids derived from shikimate pathway
- Biosynthesis of alkaloids derived from terpenoid and polyketide
- Biosynthesis of phenylpropanoids
- Biosynthesis of plant hormones
- Biosynthesis of terpenoids and steroids
- Glycolysis / Gluconeogenesis
- Metabolic pathways

Disease

- Alzheimer disease
- Cardiovascular Diseases
- Diabetes Complications
- Metabolic Syndrome X
- Neoplasms

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- Nerve Degeneration
- Osteoporosis

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