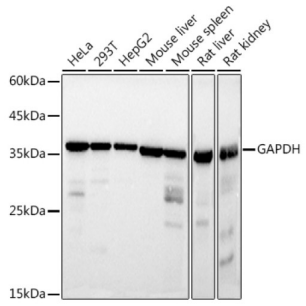
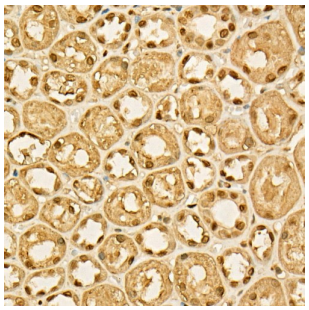
Glyceraldehyde-3-Phosphate Dehydrogenase (GAPDH) Antibody

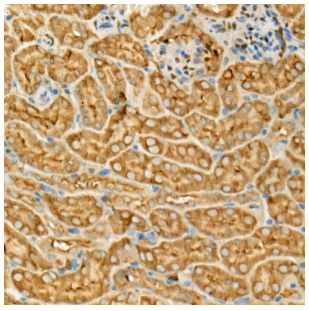
Catalogue No.:abx005569



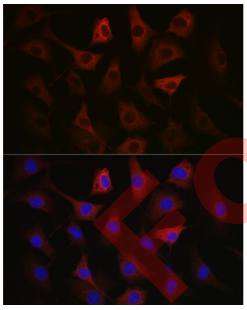
Western blot analysis of various lysates using GAPDH Mouse antibody at 1/10000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) at 1/10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Exposure time: 1s.



Western blot analysis of lysates from HeLa cells using GAPDH Mouse antibody at 1/5000-1/1280000 dilution incubated overnight at 4 °C. Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) at 1/10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020) Exposure time: 20 s.



Immunohistochemistry analysis of paraffin-embedded Human kidney using GAPDH Mouse antibody at dilution of 1/100 (40x lens). High pressure antigen retrieval performed in 0.01 M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse kidney using GAPDH Mouse antibody at dilution of 1/100 (40x lens). High pressure antigen retrieval performed in 0.01 M Citrate buffer (pH 6.0) prior to IHC staining.

GAPDH Antibody is a Mouse Monoclonal antibody against GAPDH. 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 translocated to the nucleus post modification such as S-nitrosylation. This antibody is a mouse monoclonal antibody raised against full length GAPDH of human origin. It can recognize the 36kda GAPDH protein in most cells/tissues. Please note that some physiological factors, such as hypoxia and diabetes, increase GAPDH expression in certain cell types.

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Target:	Glyceraldehyde-3-Phosphate Dehydrogenase (GAPDH)
Clonality:	Monoclonal
Reactivity:	Human, Mouse, Rat
Tested Applications:	ELISA, WB, IHC, IF/ICC
Host:	Mouse
Recommended dilutions:	ELISA: 1 µg/ml, WB: 1/5000 - 1/50000, IHC-P: 1/50 - 1/200, IF/ICC: 1/50 - 1/200. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-335 of human GAPDH.
Isotype:	IgG
Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P04406 (UniProt, ExPASy)
GeneID:	2597
KEGG:	hsa:2597
String:	9606.ENSP00000229239
Molecular Weight:	Calculated MW: 36 kDa Observed MW: 36 kDa
Buffer:	PBS, pH 7.3, containing 0.05% Proclin-300, 50% glycerol.
Concentration:	2.91 mg/ml
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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