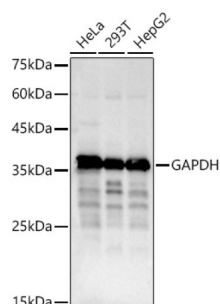
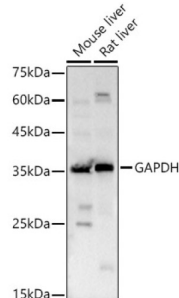


Glyceraldehyde-3-Phosphate Dehydrogenase (GAPDH) Antibody

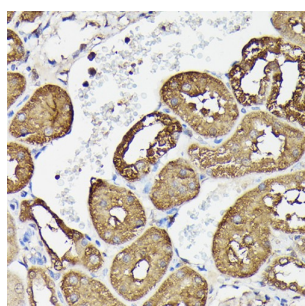
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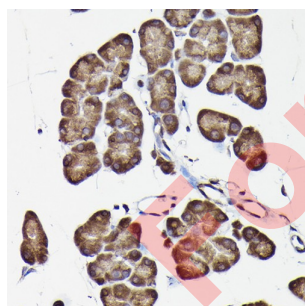
Western blot analysis of various lysates using GAPDH Antibody at 1/30000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1/10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Exposure time: 3s.



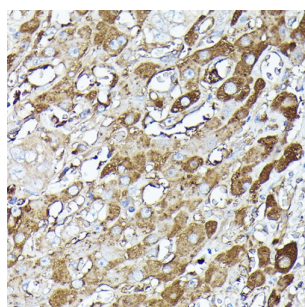
Western blot analysis of various lysates using GAPDH Antibody at 1/30000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1/10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Exposure time: 10s.



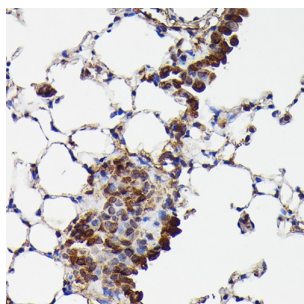
Immunohistochemistry analysis of paraffin-embedded Rat kidney using GAPDH Antibody at dilution of 1/100 (40x lens). High pressure antigen retrieval performed in 0.01 M Citrate buffer (pH 6.0) prior to IHC staining.



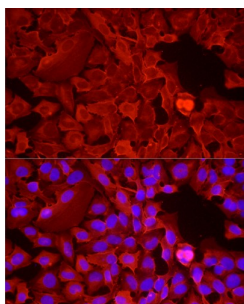
Immunohistochemistry analysis of paraffin-embedded Rat pancreas using GAPDH Antibody at dilution of 1/100 (40x lens). High pressure antigen retrieval performed in 0.01 M Citrate buffer (pH 6.0) prior to IHC staining.



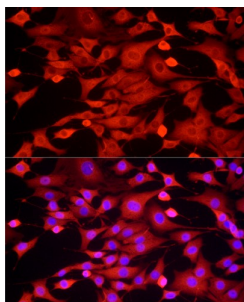
Immunohistochemistry analysis of paraffin-embedded Human liver cancer using GAPDH Antibody at dilution of 1/100 (40x lens). High pressure antigen retrieval performed in 0.01 M Citrate buffer (pH 6.0) prior to IHC staining.



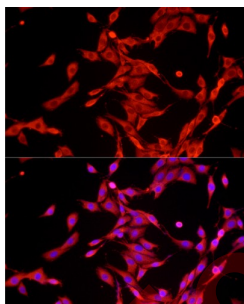
Immunohistochemistry analysis of paraffin-embedded Mouse lung using GAPDH Antibody at dilution of 1/100 (40x lens). High pressure antigen retrieval performed in 0.01 M Citrate buffer (pH 6.0) prior to IHC staining.



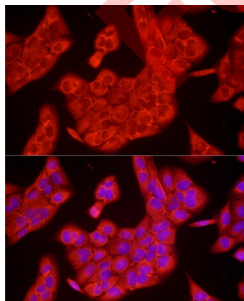
Immunofluorescence analysis of U-2 OS cells using GAPDH Antibody at a dilution of 1/25 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) at 1/500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of PC-12 cells using GAPDH Antibody at a dilution of 1/25 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) at 1/500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH/3T3 cells using GAPDH Antibody at a dilution of 1/25 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) at 1/500 dilution. Blue: DAPI for nuclear staining.

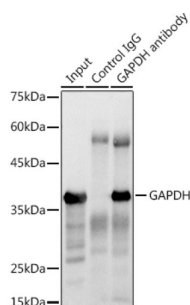


Immunofluorescence analysis of HeLa cells using GAPDH Antibody at a dilution of 1/25 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) at 1/500 dilution. Blue: DAPI for nuclear staining.

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Immunoprecipitation analysis of 300 µg extracts of HeLa cells using 3 µg GAPDH antibody. Western blot was performed from the immunoprecipitate using GAPDH antibody at a dilution of 1/20000.

GAPDH Antibody is a Rabbit Polyclonal 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 transport, 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-PACR and also loading control in electrophoresis and Western blotting. This antibody is a rabbit polyclonal 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.

Target:	Glyceraldehyde-3-Phosphate Dehydrogenase (GAPDH)
Clonality:	Polyclonal
Reactivity:	Human, Mouse, Rat
Tested Applications:	WB, IHC, IF/ICC, IP
Host:	Rabbit
Recommended dilutions:	WB: 1/10000 - 1/30000, IHC-P: 1/50 - 1/200, IF/ICC: 1/50 - 1/200, IP: 0.5 µg - 4 µg antibody per 200 µg - 400 µg extracts of whole cells. 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)

Datasheet

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GeneID: [2597](#)

NCBI Accession: NP_002037.2

KEGG: hsa:2597

String: [9606.ENSP00000229239](#)

Molecular Weight: Calculated MW: 36 kDa

Buffer: PBS, pH 7.3, containing 0.05% Proclin-300, 50% glycerol.

Concentration: > 0.2 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.

For Reference Only