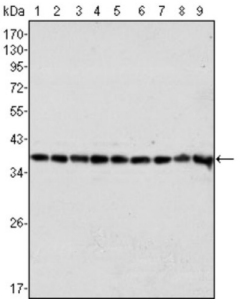
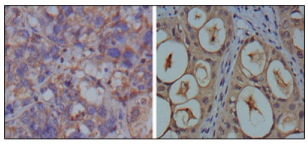
Glyceraldehyde-3-Phosphate Dehydrogenase (GAPDH) Antibody

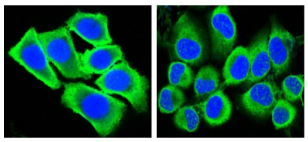
Catalogue No.:abx010853



Western blot analysis using GAPDH antibody against Hela (1), A549 (2), A431 (3), MCF-7 (4), K562 (5), Jurkat (6), HL60 (7), SKN-SH (8) and SKBR-3 (9) cell lysate.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma (left) and kidney carcinoma (right), showing cytoplasmic localization using GAPDH antibody with DAB staining.



Confocal immunofluorescence analysis of methanol-fixed HepG2 (left) and Hela (right) cells using GAPDH antibody (green), showing cytoplasmic localization. Blue: DRAQ5 fluorescent DNA dye.

Glyceraldehyde 3 phosphate dehydrogenase (GAPDH) is well known as one of the key enzymes involved in glycolysis. GAPDH is constitutively abundant expressed in almost cell types at high levels, therefore antibodies against GAPDH are useful as loading controls for Western Blotting. Some pathology factors, such as hypoxia and diabetes, increased or decreased GAPDH expression in certain cell types.

Target:	Glyceraldehyde-3-Phosphate Dehydrogenase (GAPDH)
Clonality:	Monoclonal
Reactivity:	Human
Tested Applications:	ELISA, WB, IHC, IF/ICC
Host:	Mouse
Recommended dilutions:	ELISA: 1/10000, WB: 1/500 - 1/2000, IHC: 1/200 - 1/1000, IF/ICC: 1/200 - 1/1000. Optimal dilutions/concentrations should be determined by the end user.

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Conjugation:	Unconjugated
Immunogen:	Purified recombinant fragment of human GAPDH expressed in E. coli.
Isotype:	IgG_1
Form:	Liquid
Purification:	Unpurified ascites.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P04406 (UniProt, ExPASy)
Gene Symbol:	GAPDH
GeneID:	2597
OMIM:	138400
HGNC:	4141
KEGG:	hsa:2597
Ensembl:	ENSG00000111640
String:	9606.ENSP00000229239
Molecular Weight:	34 kDa
Buffer:	Ascitic fluid containing 0.03% sodium azide.
Concentration:	Not determined.
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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