

GAPDH Monoclonal Antibody (1D4)

Product Details	
Size	100 µL
Species Reactivity	Avian, Bovine, Dog, Chicken, Fruit fly, Horse, Cat, Hamster, Human, Marsupial, Mouse, Non-human primate, Sheep, Pig, Rabbit, Rat, Zebrafish
Published Species	Rat, Bovine, Human, Mouse
Host/Isotype	Mouse / IgM
Class	Monoclonal
Type	Antibody
Clone	1D4
Conjugate	Unconjugated
Immunogen	Extensively purified pig GAPDH.
Form	Liquid
Concentration	1 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS with 50% glycerol
Contains	5mM sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_568547

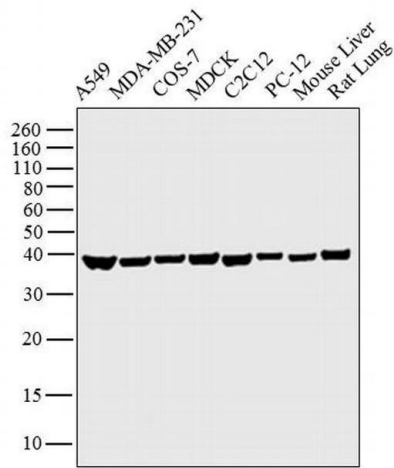
Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	17 Publications
Immunohistochemistry (Frozen) (IHC (F))	Assay-Dependent	-
Immunocytochemistry (ICC/IF)	1:100	2 Publications
ELISA (ELISA)	-	1 Publication
Immunoprecipitation (IP)	Assay-Dependent	-
ChIP assay (ChIP)	1:10 -1:500	-
GST Pull Down (GPD)	-	1 Publication
Miscellaneous PubMed (Misc)	-	1 Publication

Product Specific Information

This antibody is likely to react with most mammals.

Suggested positive control: antigen standard for GAPDH (transient overexpression lysate).

Product Images For GAPDH Monoclonal Antibody (1D4)

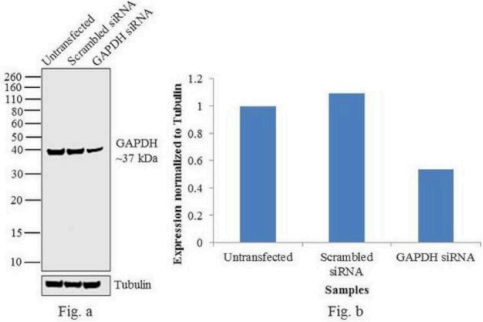


GAPDH Antibody (MA1-16757) in WB

Western blot analysis was performed on whole cell extracts (30 µg lysate) of A549 (Lane 1), MDA-MB-231 (Lane 2), COS-7 (Lane 3), MDCK (Lane 4), C2C12 (Lane 5), PC-12 (Lane 6) and tissue extracts (30 µg lysate) of Mouse Liver (Lane 7) and Rat Lung (Lane 8). The blot was probed with Anti-GAPDH Monoclonal Antibody (Product # MA1-16757, 1:1000 dilution) and detected by chemiluminescence using Goat anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody, HRP conjugate (Product # A28177, 0.25 µg/mL, 1:4000 dilution). A 37 kDa band corresponding to GAPDH was observed across the cell lines and tissue extracts tested.

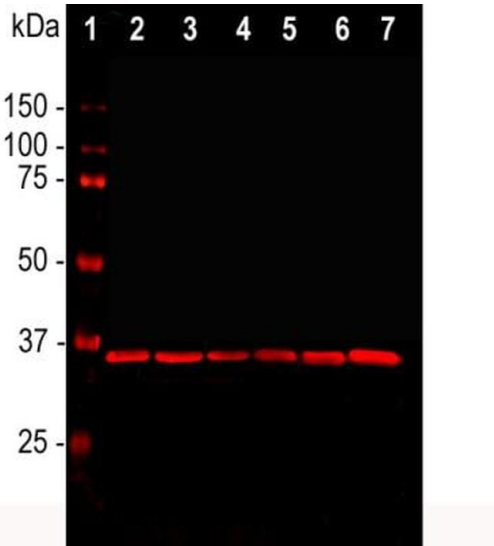
GAPDH Antibody (MA1-16757)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. HeLa cells were transfected with alpha GAPDH siRNA and loss of signal was observed in Western Blot using Anti-GAPDH Monoclonal Antibody (Product # MA1-16757). {KD}



GAPDH Antibody (MA1-16757) in WB

Western blot analysis of GAPDH in cell line lysates. Samples were incubated in GAPDH monoclonal antibody (Product # MA1-16757 using a dilution of 1:2,000. [1] protein standard, [2] HEK293, [3] HeLa, [4] SH-SY5Y, [5] COS1, [6] NIH-3T3, and [7] C6 cells. The GAPDH antibody reveals a single band at ~37 kDa in all cell lines. GAPDH is a house keeping protein, the level of which is relatively unaffected by most experimental manipulations, and, as a result, this antibody has been widely used as a ting loading control.



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Western Blot (17)

iScience	Year 2023
Exosomes mediated fibrogenesis in dilated cardiomyopathy through a MicroRNA pathway.	
"Published figure using GAPDH monoclonal antibody (Product # MA1-16757) in Western Blot"	
Authors: Fu X,Mishra R,Chen L,Arfat MY,Sharma S,Kingsbury T,Gunasekaran M,Saha P,Hong C,Yang P,Li D,Kaushal S	
FEBS open bio	Year 2023
Inducible over-expression of cardiac Nos1ap causes short QT syndrome in transgenic mice.	
"Published figure using GAPDH monoclonal antibody (Product # MA1-16757) in Western Blot"	
Authors: Jansch M,Lubomirov LT,Trum M,Williams T,Schmitt J,Schuh K,Qadri F,Maier LS,Bader M,Ritter O	

View more WB references on thermofisher.com

Immunocytochemistry (2)

Frontiers in cell and developmental biology	Year 2020
Mitochondrial-Derived Vesicles Protect Cardiomyocytes Against Hypoxic Damage.	Species Rat
"MA1-16757 was used in Immunocytochemistry-Immunofluorescence to explore the role of mitochondrial-derived vesicles in ischemia/hypoxia-induced myocardial apoptosis."	Dilution 1:1000
Authors: Li B,Zhao H,Wu Y,Zhu Y,Zhang J,Yang G,Yan Q,Li J,Li T,Liu L	
Proceedings of the National Academy of Sciences of the United States of America	Year 1998
Disease sequence from mutant rhodopsin allele to rod and cone photoreceptor degeneration in man.	Species Human
"MA1-16757 was used in immunocytochemistry to study the mechanism for rod and cone photoreceptor degeneration from rhodopsin mutations"	Dilution 1:100
Authors: Cideciyan AV,Hood DC,Huang Y,Banin E,Li ZY,Stone EM,Milam AH,Jacobson SG	

More applications with references on thermofisher.com

- ELISA (1)
- GPD (1)
- Misc (1)

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