GAPDH antibody

Cat. No. GTX100118

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB, ICC/IF, IHC-P, IP
Reactivity	Human, Mouse, Rat, Zebrafish, Rabbit, Drosophila, Bovine, Dog, Hamster, Chicken, Pig, Monkey, Caenorhabditis elegans, E. coli, Mosquito, Nematode, Pika, Plant, Fish, Bacteria, Insect, milkfish

References (1224)

Review (19)

Package
100 µl, 25 µl

PRODUCT

Summary GAPDH antibody recognizes glyceraldehyde-3-phosphate dehydrogenase (GAPDH) protein, a glycolytic enzyme of ~37 kDa that forms a tetramer. Because of its widespread expression, GAPDH is commonly used as an internal control for various protein assays, particularly western blot, to validate both the amount and quality of the loaded lysate samples.

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:5000-1:100000
ICC/IF	1:100-1:1000
IHC-P	1:100-1:1000
IP	1:100-1:500

Not tested in other applications.

Calculated MW 36 kDa. (Note)

Properties

Form	Liquid
Buffer	PBS, 1% BSA, 20% Glycerol
Preservative	0.025% ProClin 300
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4ºC. For long-term storage, aliquot and store at -20ºC or below. Avoid multiple freeze-thaw cycles.
Concentration	0.08 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Recombinant protein encompassing a sequence within the center region of human GAPDH. The exact sequence is proprietary.

For full product information, images and publications, please visit our website.

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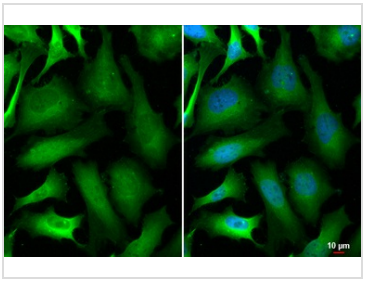
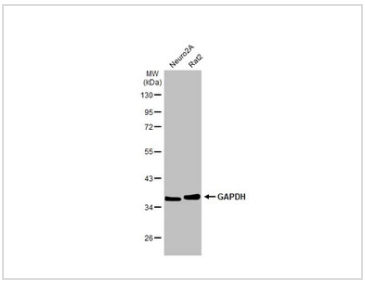
Purification	Purified by antigen-affinity chromatography.
Conjugation	Unconjugated
Note	For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption. Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES



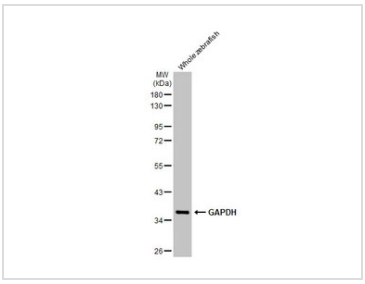
GTX100118 ICC/IF Image

GAPDH antibody detects GAPDH protein at endoplasmic reticulum, cytoplasm and nucleus by immunofluorescent analysis.
Sample: HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min.
Green: GAPDH stained by GAPDH antibody (GTX100118) diluted at 1:500.
Blue: Fluoroshield with DAPI (GTX30920).



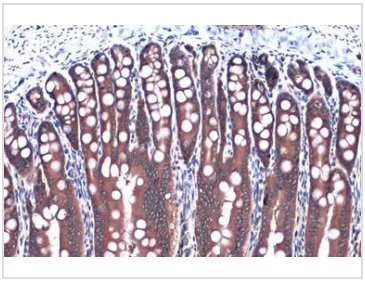
GTX100118 WB Image

Various whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with GAPDH antibody (GTX100118) diluted at 1:10000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



GTX100118 WB Image

Whole cell extract (50 µg) was separated by 10% SDS-PAGE, and the membrane was blotted with GAPDH antibody (GTX100118) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



GTX100118 IHC-P Image

GAPDH antibody detects GAPDH protein at cytoplasm by immunohistochemical analysis.
Sample: Paraffin-embedded human duodenum.
GAPDH stained by GAPDH antibody (GTX100118) diluted at 1:500.
Antigen Retrieval: Citrate buffer, pH 6.0, 15 min

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