

# Product Datasheet

## **GAPDH Antibody (1A10) - Azide and BSA Free NBP2-80748**

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-80748**

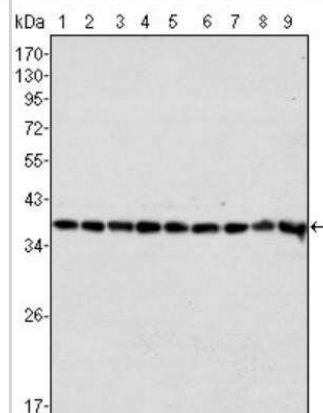
GAPDH Antibody (1A10) - Azide and BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1A10
Preservative	No Preservative
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS
Target Molecular Weight	36 kDa
Product Description	
Description	Novus Biologicals Mouse GAPDH Antibody (1A10) - Azide and BSA Free (NBP1-47339) is a monoclonal antibody validated for use in IHC, WB, ELISA, Flow, ICC/IF and Simple Western. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	2597
Gene Symbol	GAPDH
Species	Human, Mouse (Negative), Rat (Negative)
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 25833141).
Immunogen	GAPDH antibody developed against purified recombinant fragment of human GAPDH expressed in E. coli. [UniProt# P04406]
Product Application Details	
Applications	Western Blot, Simple Western, Immunohistochemistry-Paraffin, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, CyTOF-ready
Recommended Dilutions	Western Blot 1:500-1:2000, Simple Western 1:50, Flow Cytometry 5 ug/ml, ELISA 1:10000, Immunohistochemistry 1:200-1:1000, Immunocytochemistry/ Immunofluorescence 1:200-1:1000, Immunohistochemistry-Paraffin, CyTOF-ready
Application Notes	In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. See <a href="#">Simple Western Antibody Database</a> for Simple Western validation: antibody dilution of 1:50. Separated by Size-Wes, Sally Sue/Peggy Sue.

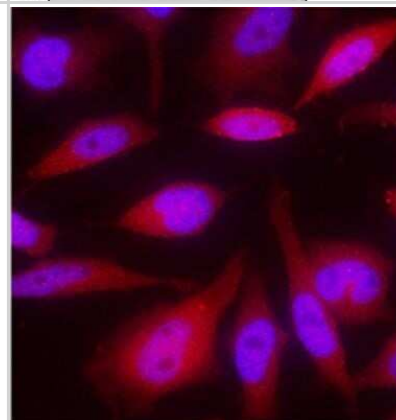


## Images

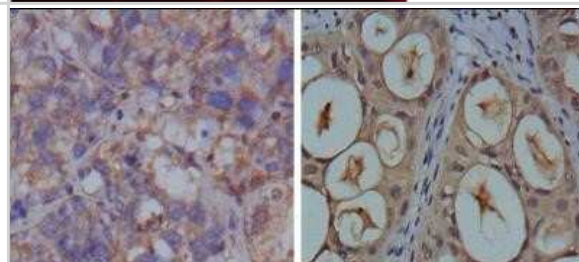
**Western Blot:** GAPDH Antibody (1A10) - Azide and BSA Free [NBP2-80748] - Analysis using anti-GAPDH mAb against HeLa (1), A549 (2), A431 (3), MCF-7 (4), K562 (5), Jurkat (6), HL60 (7), SKN-SH (8) and SKBR-3 (9) cell lysate. Theoretical molecular weight: 36 kDa. Image from the standard format of this antibody.



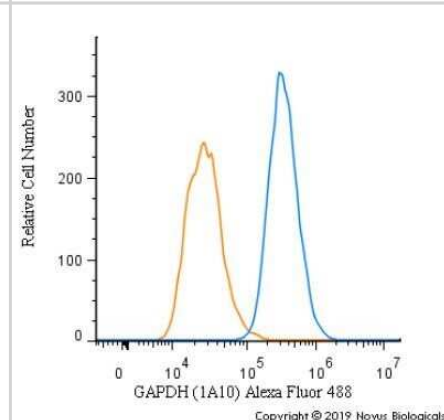
**Immunocytochemistry/Immunofluorescence:** GAPDH Antibody (1A10) - Azide and BSA Free [NBP2-80748] - GAPDH was detected in immersion fixed HeLa human cervical epithelial carcinoma cell line using 2 ug/mL of mouse anti-GAPDH monoclonal (NB300-328), 2 ug/mL mL of mouse anti- GAPDH monoclonal (NBP1-47339). Cells were stained using the appropriate secondary antibody donkey anti-mouse IgG-NL557 (NL007) and counterstained with DAPI (blue). Image from the standard format of this antibody.



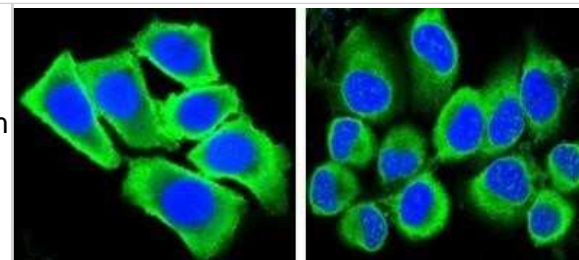
**Immunohistochemistry-Paraffin:** GAPDH Antibody (1A10) - Azide and BSA Free [NBP2-80748] - Analysis of paraffin-embedded human breast carcinoma (left) and kidney carcinoma (right), showing cytoplasmic localization using anti-GAPDH mAb with DAB staining. Image from the standard format of this antibody.



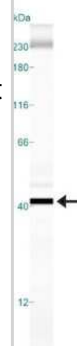
**Flow Cytometry:** GAPDH Antibody (1A10) - Azide and BSA Free [NBP2-80748] - An intracellular stain was performed on U-87 cells with GAPDH [1A10] Antibody NBP1-47339AF488 (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 5 ug/mL for 30 minutes at room temperature. Both antibodies were directly conjugated to Alexa Fluor 488.



Immunocytochemistry/Immunofluorescence: GAPDH Antibody (1A10) - Azide and BSA Free [NBP2-80748] - Analysis of methanol-fixed HepG2 (left) and HeLa (right) cells using anti-GAPDH mAb (green), showing cytoplasmic localization. DRAQ5 fluorescent DNA dye (blue). Image from the standard format of this antibody.



Simple Western: GAPDH Antibody (1A10) - Azide and BSA Free [NBP2-80748] - Lane view shows a specific band for GAPDH in 1.0 mg/ml of HeLa lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system. Note: band observed higher than predicted 36 kDa molecular weight. Image from the standard format of this antibody.





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### **Products Related to NBP2-80748**

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
H00002597-P02-10ug	Recombinant Human GAPDH GST (N-Term) Protein

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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