

# 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

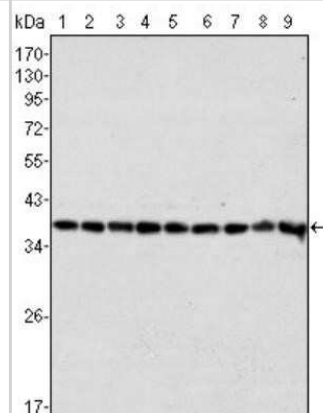
Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1A10
Preservative	No Preservative
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS
Target Molecular Weight	36 kDa

Product Description	
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]

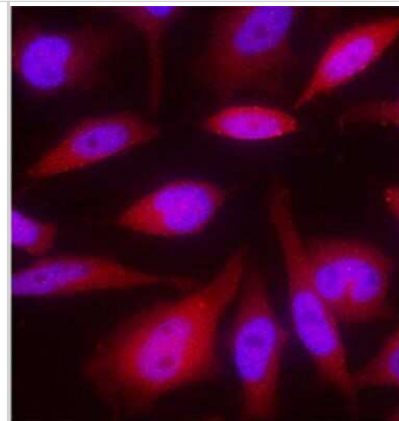
Product Application Details	
Applications	Western Blot, Simple Western, ELISA, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready
Recommended Dilutions	Western Blot : 1:500-1:2000, Simple Western : 1:50, Flow Cytometry 5 ug/ml, ELISA : 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. Separated by Size-Wes, Sally Sue/Peggy Sue.

**Images**

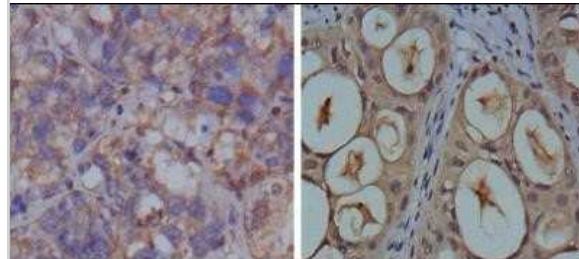
Western Blot: GAPDH Antibody (1A10) - Azide and BSA Free [NBP2-80748] - Analysis using anti-GAPDH mAb against Hela (1), A549 (2), A431 (3), MCF-7 (4), K562 (5), Jurkat (6), HL60 (7), SKN-SH (8) and SKBR-3 (9) cell lysate. Theoretical molecular weight: 36 kDa. Image from the standard format of this antibody.



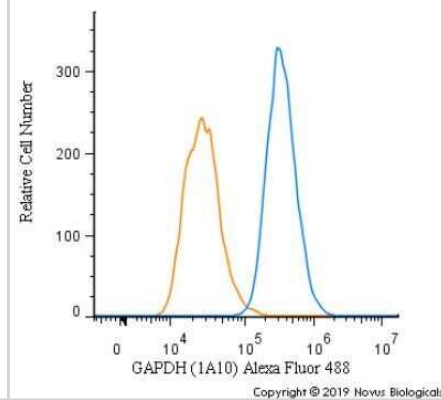
**Immunocytochemistry/Immunofluorescence:** GAPDH Antibody (1A10) - Azide and BSA Free [NBP2-80748] - GAPDH was detected in immersion fixed HeLa human cervical epithelial carcinoma cell line using 2 ug/mL of mouse anti-GAPDH monoclonal (NB300-328), 2 ug/mL mL of mouse anti- GAPDH monoclonal (NBP1-47339). 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.



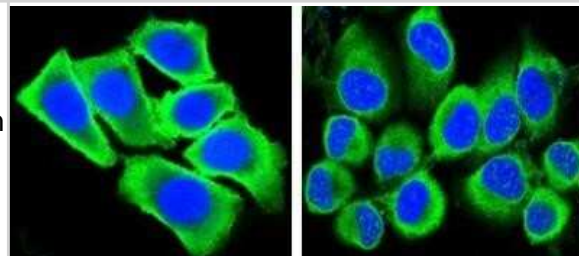
**Immunohistochemistry-Paraffin:** GAPDH Antibody (1A10) - Azide and BSA Free [NBP2-80748] - Analysis of paraffin-embedded human breast carcinoma (left) and kidney carcinoma (right), showing cytoplasmic localization using anti-GAPDH mAb with DAB staining. Image from the standard format of this antibody.



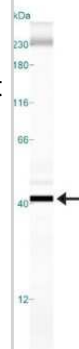
**Flow Cytometry:** GAPDH Antibody (1A10) - Azide and BSA Free [NBP2-80748] - An intracellular stain was performed on U-87 cells with GAPDH [1A10] Antibody NBP1-47339AF488 (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were 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**

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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

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### **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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