

# Product Datasheet

## GAPDH Antibody (GA1R) - Azide and BSA Free NBP2-37828

Unit Size: 100 ug

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

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### Publications: 1

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**NBP2-37828**

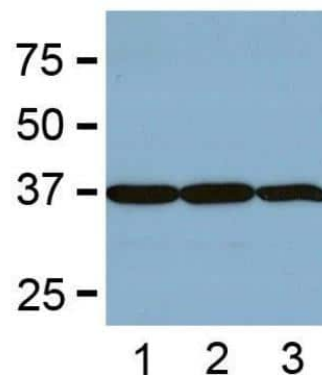
GAPDH Antibody (GA1R) - Azide and BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	100 ug
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	GA1R
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS (pH 7.2)
<b>Target Molecular Weight</b>	36 kDa
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	2597
<b>Gene Symbol</b>	GAPDH
<b>Species</b>	Human, Mouse, Rat, Porcine, Bacteria, Chicken, Hamster, Insect, Rabbit, Yeast
<b>Reactivity Notes</b>	Porcine reactivity reported in scientific literature (PMID: 17868880). Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information.
<b>Specificity/Sensitivity</b>	This GAPDH antibody detects GAPDH from BL-21 bacteria, Sf9 insect, Saccharomyces cerevisiae (yeast), human, mouse, rat, rabbit, hamster, and chicken samples. This product has been successfully used in Western blot, ELISA, and immunofluorescence.
<b>Immunogen</b>	This GAPDH protein was developed against recombinant GAPDH
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Simple Western, ELISA, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready
<b>Recommended Dilutions</b>	Western Blot 1:1000 - 1:10000, Simple Western, Flow Cytometry 2 ug, ELISA 1:100 - 1:2000, Immunohistochemistry 1:50 - 1:500, Immunocytochemistry/Immunofluorescence 1:20 - 1:200, Immunohistochemistry-Paraffin 1:50 - 1:500, CyTOF-ready
<b>Application Notes</b>	Simple Western reported by an internal validation; separated by size

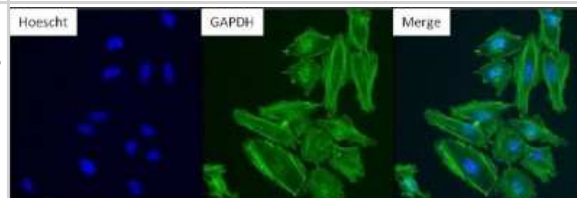


## Images

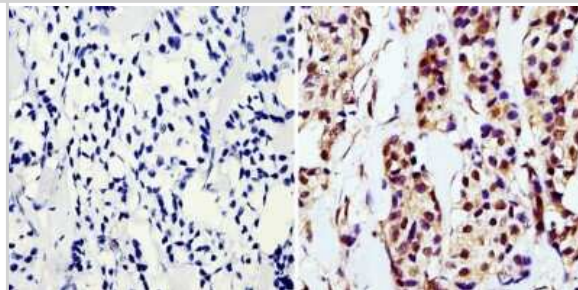
Western Blot: GAPDH Antibody (GA1R) [NBP2-37828] - Analysis of BL-21 bacteria (1), Sf9 insect (2), and *Saccharomyces cerevisiae* (3). Theoretical molecular weight: 36 kDa.



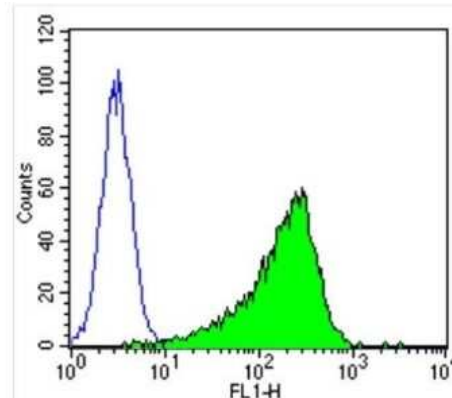
Immunocytochemistry/Immunofluorescence: GAPDH Antibody (GA1R) [NBP2-37828] - Analysis of GAPDH (green) in HeLa. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 5% normal goat serum for 15 minutes at room temperature. Cells were probed with a GAPDH monoclonal antibody at a dilution of 1:100 for at least 1 hour at room temperature, washed with PBS, and incubated with DyLight 488 goat anti-mouse IgG secondary antibody at a dilution of 1:400 for 30 minutes at room temperature. Nuclei (blue) were stained with Hoechst 33342 dye.



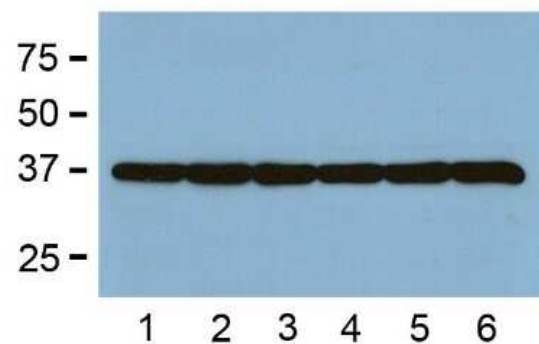
Immunohistochemistry-Paraffin: GAPDH Antibody (GA1R) [NBP2-37828] - Analysis showing staining in the nucleus and cytoplasm of paraffin-embedded human breast carcinoma (right) compared with a negative control without primary antibody (left).



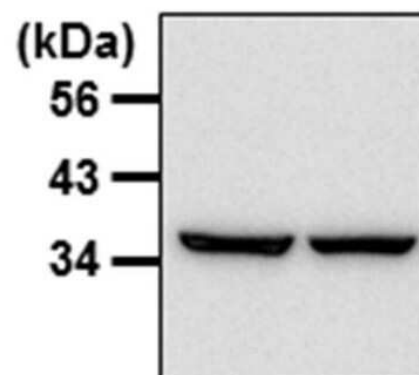
Flow Cytometry: GAPDH Antibody (GA1R) [NBP2-37828] - Analysis of GAPDH in HeLa cells (green) compared to an isotype control (blue).



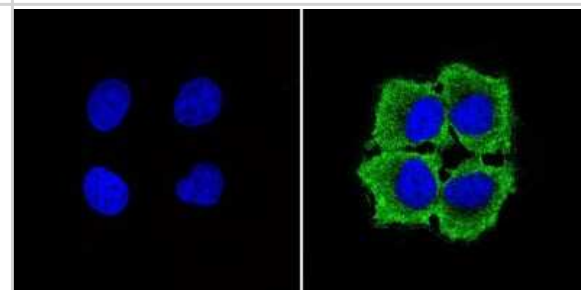
Western Blot: GAPDH Antibody (GA1R) [NBP2-37828] - Analysis of 5ug/lane tissue lysates from human (1), mouse (2), rat (3), rabbit (4), chicken (5), and hamster (6). Theoretical molecular weight: 36 kDa.



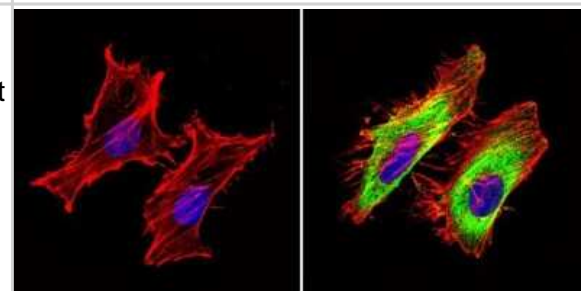
Western Blot: GAPDH Antibody (GA1R) [NBP2-37828] - Analysis of 20ug of THP-1 whole cell lysates per well onto an SDS-PAGE gel. GAPDH theoretical molecular weight: 36 kDa.



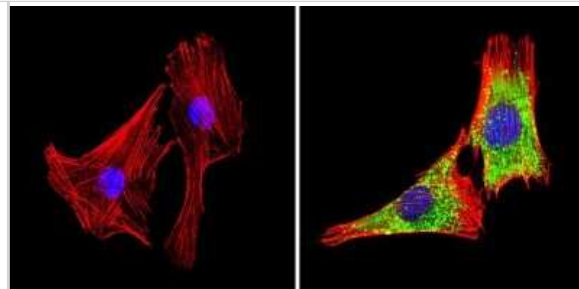
Immunocytochemistry/Immunofluorescence: GAPDH Antibody (GA1R) [NBP2-37828] - Analysis of GAPDH (green) showing staining in the in the cytoplasm of MCF-7 cells (right) compared to a negative control without primary antibody (left).



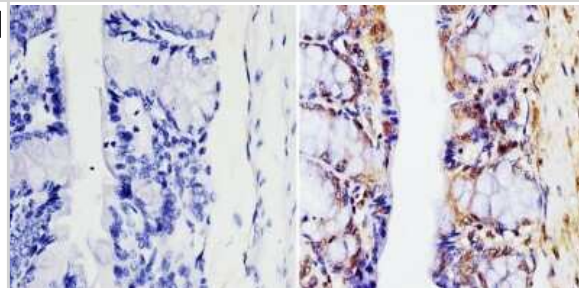
Immunocytochemistry/Immunofluorescence: GAPDH Antibody (GA1R) [NBP2-37828] - Analysis of GAPDH (green) showing staining in the in the cytoplasm of Hela cells (right) compared to a negative control without primary antibody (left).



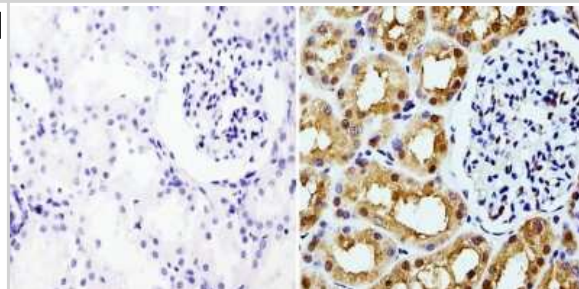
Immunocytochemistry/Immunofluorescence: GAPDH Antibody (GA1R) [NBP2-37828] - Analysis of GAPDH (green) showing staining in the in the cytoplasm of C2C12 cells (right) compared to a negative control without primary antibody (left).



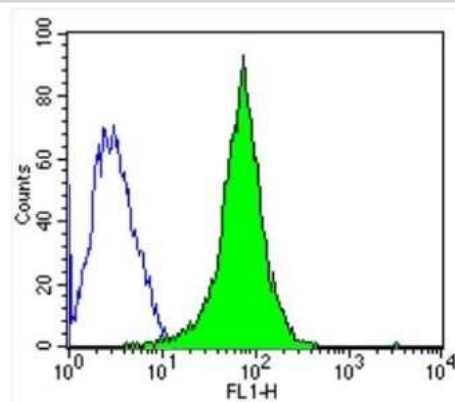
Immunohistochemistry-Paraffin: GAPDH Antibody (GA1R) [NBP2-37828] - Analysis showing staining in the nucleus and cytoplasm of mouse colon tissue (right) compared with a negative control without primary antibody (left).



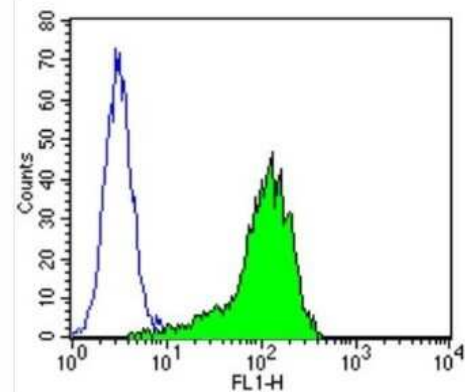
Immunohistochemistry-Paraffin: GAPDH Antibody (GA1R) [NBP2-37828] - Analysis showing staining in the nucleus and cytoplasm of human kidney tissue (right) compared with a negative control without primary antibody (left).



Flow Cytometry: GAPDH Antibody (GA1R) [NBP2-37828] - Analysis of GAPDH in NIH-3T3 cells (green) compared to an isotype control (blue).



Flow Cytometry: GAPDH Antibody (GA1R) [NBP2-37828] - Analysis of GAPDH in MCF-7 cells (green) compared to an isotype control (blue).



## Publications

Shi Z, Ren M, Rockey DC Myocardin and myocardin-related transcription factor-A synergistically mediate actin cytoskeletal dependent inhibition of liver fibrogenesis *Am. J. Physiol. Gastrointest. Liver Physiol.* 2020-01-13 [PMID: 31928221]



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### **Products Related to NBP2-37828**

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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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