

# Product Datasheet

## GAPDH Antibody (1D4) NBP2-30171SS

Unit Size: 0.05 ml

Store at -20C. Avoid freeze-thaw cycles.

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**NBP2-30171SS****GAPDH Antibody (1D4)**

<b>Product Information</b>	
<b>Unit Size</b>	0.05 ml
<b>Concentration</b>	This product is unpurified. The exact concentration of antibody is not quantifiable.
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	1D4
<b>Preservative</b>	0.01% Thimerosal
<b>Isotype</b>	IgG1
<b>Purity</b>	Tissue culture supernatant
<b>Buffer</b>	1.0 mg/ml BSA and 50% Glycerol
<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, Bovine, Chicken, Rabbit
<b>Reactivity Notes</b>	Bovine, Chicken, Human, Mouse, Pig, Rabbit, Rat
<b>Marker</b>	Cytosolic Marker
<b>Immunogen</b>	Purified pig GAPDH enzyme.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 1:1000-1:5000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunoprecipitation
<b>Application Notes</b>	On Western blots, GAPDH is detected as a band of approximately 36-40 kDa. GAPDH antibodies are widely used as loading controls for quantitative Western blotting, including normalizing Western blot results to GAPDH. Species reactivity: GAPDH is highly conserved across species, and antibodies to GAPDH typically have broad species reactivity. Clone 1D4 has been shown to react with human, cow, pig, mouse, rat, and chicken GAPDH. Since GAPDH is highly conserved across species, it is likely that the antibody reacts with additional species.

## Publications

Grotheer V, Windolf J, Suschek CV Evaluation of pro-angiogenic properties of an inorganic silica gel fibre fleece  
Journal of wound care 2021-09-02 [PMID: 34554833]

Krishna-Subramanian, S;Singer, S;Armaka, M;Banales, JM;Holzer, K;Schirmacher, P;Walczak, H;Kollias, G;Pasparakis, M;Kondylis, V; RIPK1 and death receptor signaling drive biliary damage and early liver tumorigenesis in mice with chronic hepatobiliary injury Cell Death Differ. 2019-04-15 [PMID: 30988397] (WB, Mouse)

Franich NR, Basso M, Andre EA et al. Striatal Mutant Huntingtin Protein Levels Decline with Age in Homozygous Huntington's Disease Knock-In Mouse Models J Huntingtons Dis 2018-05-19 [PMID: 29843246] (Mouse)

Kasioulis I, Syred HM, Tate P et al. Kdm3a lysine demethylase is an Hsp90 client required for cytoskeletal rearrangements during spermatogenesis. Mol. Biol. Cell. 2014-02-19 [PMID: 24554764] (WB, Mouse)

Molitor TP, Traktman P. Depletion of the protein kinase VRK1 disrupts nuclear envelope morphology and leads to BAF retention on mitotic chromosomes. Mol Biol Cell 2014-03-01 [PMID: 24430874] (WB, Human)

Romanova L, Hansen E, Lam CH. Generation and preliminary characterization of immortalized cell line derived from rat lymphatic capillaries. Microcirculation 2014-03-24 [PMID: 24661565] (WB, Rat)

Details:  
Rat lymphatic immortalized cell line SV40-LEC, Fig 2. GAPDH expression was used as a loading control.

Niesman IR, Schilling JM, Shapiro LA et al. Traumatic brain injury enhances neuroinflammation and lesion volume in caveolin deficient mice. J Neuroinflammation 2014-03-13 [PMID: 24593993] (WB, Mouse)

Details:  
Primary cultures of mixed glia from mouse brain, Fig 4A, F. The GAPDH mAb was used as a loading control to standarize 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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