



Nucleostemin

Datasheet

Catalog Number:	GT15050	Host:	Goat
Product Type:	Affinity purified	Species Reactivity:	Mouse, Rat, Human
Immunogen Sequence:	Recombinant rat Nucleostemin; aa 2 - 538	Format:	Liquid 1mg/ml Solution in phosphate-buffered saline (PBS) with 5% Trehlose
Applications:	Immunocytochemistry: 10 µg/mL Western Blot: 0.1 – 0.2 µg/mL Tested for Western blotting using rat recombinant Nucleostemin ELISA: 0.5 - 1.0 µg/mL Dilutions listed as a recommendation. Optimal dilution should be determined by investigator.		
Storage:	Antibody can also be aliquotted and stored frozen at -20° C to -70° C in a manual defrost freezer for six months without detectable loss of activity. The antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. <i>Avoid repeated freeze-thaw cycles.</i>		

Application Notes

Immunocytochemistry

This antibody has been tested on rat cortical stem cells, mouse C2C12 cells and human U2OS cells. The antibody can be used with the appropriate secondary reagents at a concentration of 10 µg/mL in fixed cells. Cells were fixed with 4% paraformaldehyde in PBS at room temperature for 20 minutes and then blocked with 0.1% Triton X-100, 10% normal donkey serum in PBS and 1% BSA at room temperature for 45 minutes. After blocking, cells were incubated with diluted primary antibody overnight at 4° C followed by Rhodamine Red coupled anti-goat IgG antibody or another appropriate secondary antibody at room temperature in the dark for an hour. Between each step, cells were washed with PBS containing 0.1% BSA.

Western Blotting

This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect rat Nucleostemin. The detection limit for rNucleostemin is approximately 25 ng/lane and 5 ng/lane under non-reducing and reducing conditions, respectively.

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