



Catalog Number:	GT15098	Host:	Goat
Product Type:	Affinity purified	Species Reactivity:	Human
Immunogen Sequence:	Recombinant human SOX2	Format:	Liquid 1mg/ml Solution in phosphate-buffered saline with 5% trehalose
Applications:	Immunohistochemistry: 5-10 µg/mL Western Blot: 0.1 – 0.2 µg/mL Tested for Western blotting using recombinant protein. ELISA: 0.5 - 1.0 µg/mL Dilutions listed as a recommendation. Optimal dilution should be determined by investigator.		
Storage:	Antibody can 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 used at a concentration of 5 - 10 µg/mL to detect human SOX2. Cells were fixed with 4% paraformaldehyde in PBS at room temperature for 20 minutes, then blocked with PBS containing 0.1% Triton X-100, 1% BSA and 10% normal donkey serum at room temperature for 45 minutes. After blocking, sections 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 one hour. Between each step, cells were washed with PBS containing 0.1% BSA.

Western blot - This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect human SOX2. The detection limit for recombinant human SOX2 is approximately 2 ng/lane under non-reducing and reducing conditions.

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