

## SOX2

## Datasheet

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<b>Catalog Number:</b>	GT15098	<b>Host:</b>	Goat
<b>Product Type:</b>	Affinity purified	<b>Species Reactivity:</b>	Human
<b>Immunogen Sequence:</b>	Recombinant human SOX2	<b>Format:</b>	Liquid 1mg/ml Solution in phosphate-buffered saline with 5% trehalose
<b>Applications:</b>	<b>Immunohistochemistry:</b> 5-10 µg/mL <b>Western Blot:</b> 0.1 – 0.2 µg/mL Tested for Western blotting using recombinant protein. <b>ELISA:</b> 0.5 - 1.0 µg/mL Dilutions listed as a recommendation. Optimal dilution should be determined by investigator.		
<b>Storage:</b>	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>		

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### 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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Neuromics Antibodies • 5325 West 74<sup>th</sup> Street, Suite 8 • Edina, MN 55439  
phone 866-350-1500 • fax 612-677-3976 • e-mail [pshuster@neuromics1.com](mailto:pshuster@neuromics1.com)