



## Otx2

## Data Sheet

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<b>Catalog Number:</b>	GT15095	<b>Host:</b>	Goat
<b>Product Type:</b>	Affinity purified	<b>Species Reactivity:</b>	Human
<b>Immunogen Sequence:</b>	Recombinant human Orthodenticle 2 isoform homeobox protein (Otx2, aa 1 - 289)	<b>Format:</b>	Liquid 1mg/ml Solution in phosphate-buffered saline with 5% trehalose
<b>Applications:</b>	<b>Immunocytochemistry:</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

#### Immunohistochemistry

This antibody has been tested on human NTERA-2 cells and can be used with the appropriate secondary reagents at the concentration of 5 - 10 µg/mL. Cells were fixed with 4% paraformaldehyde in PBS at room temperature for 20 minutes and 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 and sequentially with Rhodamine Red coupled anti-goat IgG antibody at room temperature in the dark for one hour. Between each step, cells were washed with 0.1% BSA and PBS.

#### Western Blot

This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect human Otx2. The detection limit for recombinant human Otx2 is approximately 1 ng/lane under non-reducing and reducing conditions.