

**Anti-SOX2 antibody (1-140) (STJ25661)**  
STJ25661

**GENERAL INFORMATION**

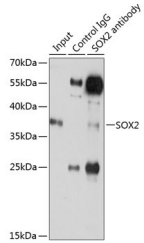
<b>Product Type</b>	Primary antibodies
<b>Short Description</b>	
<b>Applications</b>	WB/IHC-P/IF/ICC/IP/ELISA
<b>Host/Source</b>	Rabbit
<b>Reactivity</b>	Human/Mouse/Rat

**PRODUCT PROPERTIES**

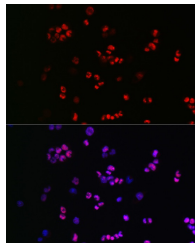
<b>Clonality</b>	Polyclonal
<b>Clone ID</b>	
<b>Concentration</b>	Lot specific
<b>Conjugation</b>	Unconjugated
<b>Purification</b>	Affinity purification
<b>Dilution Range</b>	WB:1:500-1:1000 IHC-P:1:50-1:200 IF/ICC:1:50-1:200 IP:0.5 Mu g-4 Mu g antibody for 200 Mu g-400 Mu g extracts of whole cells ELISA:Recommended starting concentration is 1 Mu g/mL. Please optimize the concentration based on your specif
<b>Formulation</b>	PBS with 0.09% Sodium Azide, 50% Glycerol, pH 7.3.
<b>Isotype</b>	IgG
<b>Storage Instruction</b>	Store at-20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

**TARGET INFORMATION**

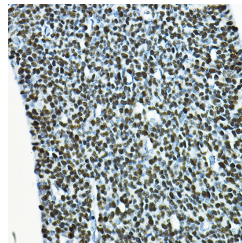
<b>Gene ID</b>	6657
<b>Gene Symbol</b>	SOX2
<b>Uniprot ID</b>	SOX2_HUMAN
<b>Immunogen</b>	
<b>Immunogen Region</b>	1-140
<b>Specificity</b>	Recombinant fusion protein containing a sequence corresponding to amino acids 1-140 of human SOX2 (NP_003097.1).
<b>Immunogen Sequence</b>	MYNMMETELKPPGPQQTSGG GGGNSTAAAAGGNQKNSPDR VKRPMNAFMVWSRGQRRKMA QENPKMHNSEISKRLGAEWK LLSETEKRPFIDEAKRLRAL HMKEHPDYKYPRRKTKTLM KKDKYTLPGGLLAPGGNSMA



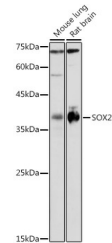
Immunoprecipitation analysis of 200 Mu g extracts of O6 cells using 3 Mu g SOX2 antibody (STJ25661). Western blot was performed from the immunoprecipitate using SOX2 antibody (STJ25661) at a dilution of 1:500.



Immunofluorescence analysis of F9 cells using SOX2 Rabbit polyclonal antibody (STJ25661) at dilution of 1:50 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of SOX2 in paraffin-embedded mouse embryos using SOX2 Rabbit polyclonal antibody (STJ25661) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



Western blot analysis of various lysates using SOX2 Rabbit polyclonal antibody (STJ25661) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJ5000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 180s.

This product is suitable for in-vitro studies under the RESEARCH USE ONLY [RUO] licence. This product must not be used as for diagnostic or other medical purposes.  
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