

**bs-23177R****[ Primary Antibody ]****SOX2 Rabbit pAb****Bioss**  
**ANTIBODIES**

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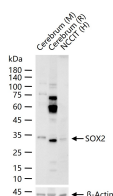
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**— DATASHEET —**

<b>Host:</b> Rabbit <b>Clonality:</b> Polyclonal <b>GeneID:</b> 6657 <b>Target:</b> SOX2 <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human SOX2: 221-317/317. <b>Purification:</b> affinity purified by Protein A <b>Concentration:</b> 1mg/ml <b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. <b>Background:</b> This intronless gene encodes a member of the SRY-related HMG-box (SOX) family of transcription factors involved in the regulation of embryonic development and in the determination of cell fate. The product of this gene is required for stem-cell maintenance in the central nervous system, and also regulates gene expression in the stomach. Mutations in this gene have been associated with optic nerve hypoplasia and with syndromic microphthalmia, a severe form of structural eye malformation. This gene lies within an intron of another gene called SOX2 overlapping transcript (SOX2OT). [provided by RefSeq, Jul 2008].	<b>Isotype:</b> IgG <b>SWISS:</b> P48431	<b>Applications:</b> WB (1:500-2000) <b>Reactivity:</b> Human, Mouse, Rat (predicted: Sheep, Cow, Chicken, Dog, Horse) <b>Predicted MW.:</b> 34 kDa <b>Subcellular Location:</b> Nucleus
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**— VALIDATION IMAGES —**

25 ug total protein per lane of various lysates (see on figure) probed with SOX2 polyclonal antibody, unconjugated (bs-23177R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

**— SELECTED CITATIONS —**

- **[IF=6.684]** Yao Jiang, et al. Atlas of Prenatal Hair Follicle Morphogenesis Using the Pig as a Model System. Front Cell Dev Biol. 2021; 9: 721979 IF ;Pig. 34692680