

## Polyclonal Antibody to SOX2 (N-term) - Aff - Purified

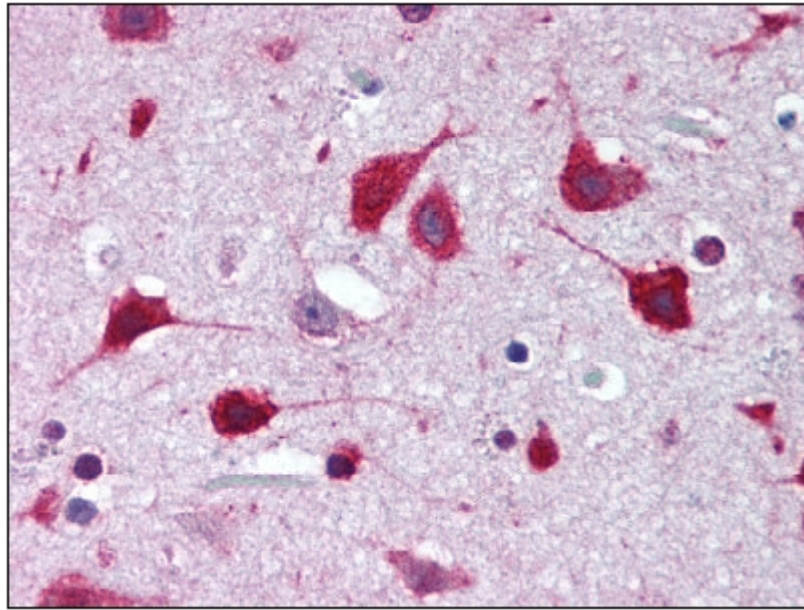
<b>Alternate names:</b>	ANOP3, MCOPS3, SRY (sex determining region Y)-box 2, SRY-box 2, SRY-related HMG-box gene 2, Transcription factor SOX-2
<b>Catalog No.:</b>	AP08354PU-N
<b>Quantity:</b>	50 µl
<b>Concentration:</b>	0.5 mg/ml
<b>Background:</b>	SOX 2 is also known as SRY related HMG BOX gene 2. All SOX proteins have a single HMG box and bind linear DNA in a sequence-specific manner, resulting in the bending of DNA through large angles. Bending causes the DNA helix to open for some distance, which may affect binding and interactions of other transcription factors. SOX1, SOX2 and SOX3 show the closest homology to SRY. They share maximum homology within the HMG domain and are expressed mainly in the developing nervous system of the mouse. These genes share significant homology outside the HMG box also and are highly conserved throughout their evolution.
<b>Uniprot ID:</b>	<a href="#">P48431</a>
<b>NCBI:</b>	<a href="#">NP_003097.1</a>
<b>GeneID:</b>	<a href="#">6657</a>
<b>Host / Isotype:</b>	Rabbit / IgG
<b>Immunogen:</b>	Synthetic peptide (KLH conjugated) corresponding to the N-terminal of SOX2, KLH conjugated. <b>Remarks:</b> Antigen Modification: N-terminal
<b>Format:</b>	<b>State:</b> Liquid purified Ig fraction. <b>Purification:</b> Immunoaffinity Chromatography. <b>Buffer System:</b> PBS, pH 7.2 containing 0.09% Sodium Azide as preservative and 50% Glycerol.
<b>Applications:</b>	<b>Western blot.</b> <b>Immunohistochemistry on Paraffin Sections:</b> 1/50. Heat induced antigen retrieval in pH 6.0 Citrate buffer is recommended. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody recognizes SOX2 (N-term).
<b>Species Reactivity:</b>	<b>Tested:</b> Human.
<b>Add. Information:</b>	<b>Predicted Molecular Weight:</b> 40 kDa
<b>Storage:</b>	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

**For research and in vitro use only. Not for diagnostic or therapeutic work.**  
Material Safety Datasheets are available at [www.acris-antibodies.com](http://www.acris-antibodies.com) or on request.

Antibody Hotline - Technical Questions - Antibody Location Service  
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## Pictures:



**Figure 1.** AP08354PU-N SOX2 antibody staining of Formalin-Fixed Paraffin-Embedded Human Brain, Cortex at 1/50 followed by biotinylated Goat anti-Rabbit IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.