

For Research Use Only

# SOX2 Recombinant monoclonal antibody

Catalog Number:83059-6-RR



## Basic Information

|  |   |   |
|--|---|---|
| <b>Catalog Number:</b><br>83059-6-RR       | <b>GenBank Accession Number:</b><br>BC013923              | <b>Purification Method:</b><br>Protein A purification |
| <b>Source:</b><br>Rabbit                   | <b>GeneID (NCBI):</b><br>6657                             | <b>CloneNo.:</b><br>252889F12                         |
| <b>Isotype:</b><br>IgG                     | <b>UNIPROT ID:</b><br>P48431                              | <b>Recommended Dilutions:</b><br>WB: 1:5000-1:50000   |
| <b>Immunogen Catalog Number:</b><br>AG0612 | <b>Full Name:</b><br>SRY (sex determining region Y)-box 2 |   |
|  | <b>Calculated MW:</b><br>34 kDa                           |   |
|  | <b>Observed MW:</b><br>34-43 kDa                          |   |

## Applications

|  |   |
|--|---|
| <b>Tested Applications:</b><br>WB, ELISA         | <b>Positive Controls:</b><br>WB : mouse brain tissue, U-251 cells, rat brain tissue, C6 cells |
| <b>Species Specificity:</b><br>human, mouse, rat |   |

## Background Information

Sox2, also known as SRY (sex determining region Y)-box 2, is a transcription factor essential for maintaining self-renewal of undifferentiated ES cells and is one of the key transcription factors used to reprogram mouse and human fibroblasts to a pluripotent state. Sox2 expressed in undifferentiated pluripotent stem cells and germ cells during development. A rare undifferentiated cell population that is intermingled with the Bergmann glia of the adult murine cerebellar cortex, expresses the stem cell markers Sox2 and Nestin, and lacks markers of glial or neuronal differentiation.

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

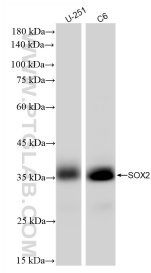
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

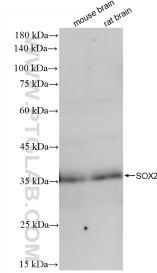
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83059-6-RR (SOX2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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