

For Research Use Only

# SOX2 Recombinant monoclonal antibody, PBS Only

Catalog Number:83059-6-PBS



## Basic Information

**Catalog Number:**

83059-6-PBS

**Size:**

100ug , Concentration: 1 mg/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG0612

**GenBank Accession Number:**

BC013923

**GeneID (NCBI):**

6657

**UNIPROT ID:**

P48431

**Full Name:**

SRY (sex determining region Y)-box 2

**Calculated MW:**

34 kDa

**Observed MW:**

34-43 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

252889F12

## Applications

**Tested Applications:**

WB, Indirect ELISA

**Species Specificity:**

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 -80°C.

**Storage Buffer:**

PBS only, pH7.3

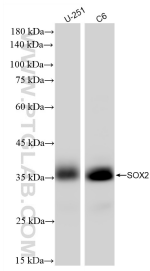
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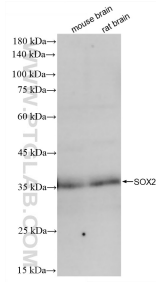
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## Selected Validation Data



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. This data was developed using the same antibody clone with 83059-6-PBS in a different storage buffer formulation.



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