

Datasheet for ABIN6241700

**anti-SOX2 antibody****3** Images[Go to Product page](#)

## Overview

|              |   |
|--------------|---|
| Quantity:    | 100 µL  |
| Target:      | SOX2  |
| Reactivity:  | Mouse   |
| Host:        | Mouse   |
| Clonality:   | Monoclonal  |
| Conjugate:   | This SOX2 antibody is un-conjugated                                     |
| Application: | Western Blotting (WB), Flow Cytometry (FACS), Immunocytochemistry (ICC) |

## Product Details

|            |                     |
|------------|---------------------|
| Immunogen: | Recombinant Protein |
|------------|---------------------|

## Target Details

|                   |   |
|-------------------|---|
| Target:           | SOX2  |
| Alternative Name: | Sox2 ( <a href="#">SOX2 Products</a> )  |
| Background:       | <p>Transcription factor that forms a trimeric complex with OCT4 on DNA and controls the expression of a number of genes involved in embryonic development such as YES1, FGF4, UTF1 and ZFP206 (By similarity). Critical for early embryogenesis and for embryonic stem cell pluripotency. May function as a switch in neuronal development. Downstream SRRT target that mediates the promotion of neural stem cell self-renewal (By similarity). Keeps neural cells undifferentiated by counteracting the activity of proneural proteins and suppresses neuronal differentiation (By similarity).</p> |

Target Details

|           |  |
|-----------|--|
| UniProt:  | P48431   |
| Pathways: | Dopaminergic Neurogenesis, Sensory Perception of Sound, Stem Cell Maintenance, Cell RedoxHomeostasis |

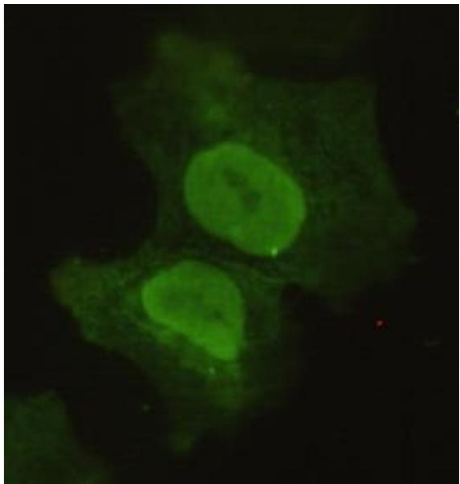
Application Details

|                    |                                   |
|--------------------|-----------------------------------|
| Application Notes: | WB: 1:1000. FC: 1:100. ICC: 1:150 |
| Restrictions:      | For Research Use only             |

Handling

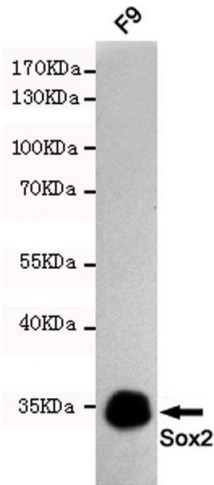
|          |             |
|----------|-------------|
| Format:  | Liquid      |
| Storage: | 4 °C,-20 °C |

Images



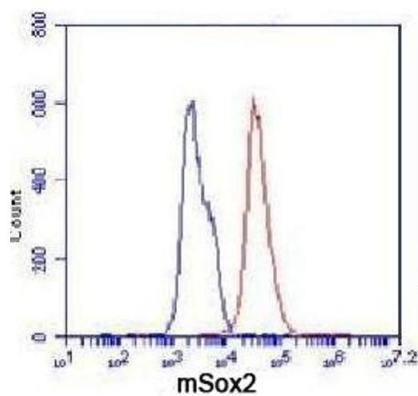
**Immunocytochemistry**

**Image 1.** Immunocytochemistry of COS7 cells using anti-Sox2 mouse mAb diluted 1:150.



**Western Blotting**

**Image 2.** Western blot detection of Sox2 in F9 cell lysates using Sox2 mouse mAb (1:1000 diluted). Predicted band size: 35KDa. Observed band size: 35KDa.



Flow Cytometry

**Image 3.** Flow Cytometry analysis of F9 cells stained with Sox2 (red, 1/100 dilution), followed by FITC-conjugated goat anti-mouse IgG. Blue line histogram represents the isotype control, normal mouse IgG.