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# Sox-1 Antibody
**Rabbit Polyclonal Antibody**
**Catalog # ABV10636**

## Specification

### Sox-1 Antibody - Product Information

| | |
|---|---|
| Application | **WB** |
| Primary Accession | P53783 |
| Reactivity | **Human, Mouse, Rat** |
| Host | **Rabbit** |
| Clonality | **Polyclonal** |
| Isotype | **Rabbit IgG** |
| Calculated MW | **39053** |

### Sox-1 Antibody - Additional Information

**Gene ID** 20664

| | |
|---|---|
| Application & Usage | **Western blotting (0.5-4 µg/ml). However, the optimal conditions should be determined individually. The antibody recognizes ~ 43 kDa Sox-1 in samples of human and mouse origins. Reactivity to other species has not been tested.** |

**Other Names**
SOX1, SOX 1, sex determining region Y box 1, SRY, SRY-box containing gene 1

**Target/Specificity**
Sox1

**Antibody Form**
Liquid

**Appearance**
Colorless liquid

**Formulation**
100 µg (0.5 mg/ml) affinity purified rabbit anti-Sox-1 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.

**Handling**
The antibody solution should be gently mixed before use.

**Reconstitution & Storage**
-20 °C

**Background Descriptions**

**Precautions**

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Sox-1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Sox-1 Antibody - Protein Information

**Name** Sox1

**Synonyms** Sox-1

**Function**
Transcriptional activator. May function as a switch in neuronal development. Keeps neural cells undifferentiated by counteracting the activity of proneural proteins and suppresses neuronal differentiation (By similarity).

**Cellular Location**
Nucleus.

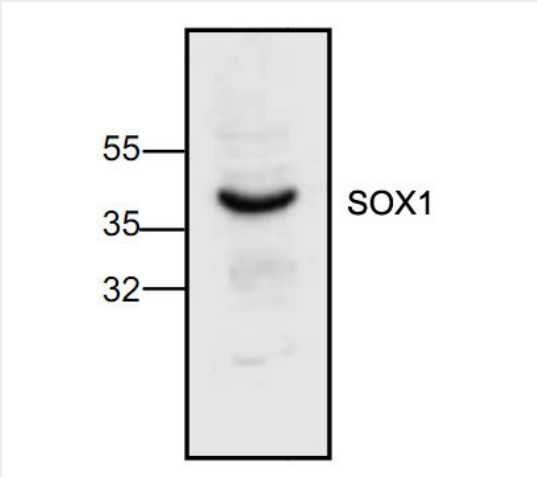
**Tissue Location**
Mainly in the developing central nervous system. Expressed in developing urogenital ridge

## Sox-1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## Sox-1 Antibody - Images




Western blot analysis of Sox-1 expression in Jurkat cell lysate.

## Sox-1 Antibody - Background

Sox proteins are related to mammalian sex deternining gene that encodes DNA-binding protein. About 30 SOX family proteins have been identified. Sox-1 is a transcription factor that is found in the embryonic nervous system. Sox-1 maintains nueral cells in an undifferentiated state and has been used as a marker for neural stem cells.