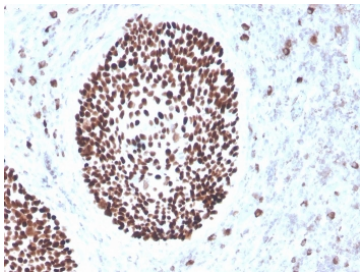
# Recombinant SOX2 Antibody [clone rSOX2/1791] (V8085)

| Catalog No. | Formulation | Size |
|---|---|---|
| V8085-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V8085-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug |
| V8085SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

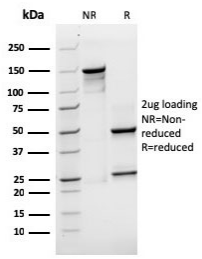
Recombinant MOUSE MONOCLONAL

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Host** | Rabbit |
| **Clonality** | Recombinant Mouse Monoclonal |
| **Isotype** | Mouse IgG1, kappa |
| **Clone Name** | rSOX2/1791 |
| **Purity** | Protein A affinity chromatography |
| **UniProt** | P48431 |
| **Localization** | Nuclear |
| **Applications** | Immunohistochemistry (FFPE): 1-2ug/ml (not suitable for frozen tissues) |
| **Limitations** | This recombinant SOX2 antibody is available for research use only. |



IHC staining of FFPE human cervix with recombinant SOX2 antibody (clone rSOX2/1791). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.




SDS-PAGE analysis of purified, BSA-free recombinant SOX2 antibody (clone rSOX2/1791) as confirmation of integrity and purity.

## Description

SOX2 is required for stem cell maintenance in the central nervous system, and it also regulates gene expression in the stomach. SOX2 is necessary for regulating multiple transcription factors that affect Oct 3/4 expression. An essential function of SOX2 is to stabilize embryonic stem cells in a pluripotent state by maintaining the requisite level of Oct 3/4 expression. Reportedly, SOX2 is associated with aggressive phenotypes of breast, head and neck, gastric, colorectal, bladder, and small cell lung cancers. However, SOX2 is expressed in a high percentage of lung squamous cell carcinomas and has been shown to be an independent favorable prognostic marker.

## Application Notes

Optimal dilution of the recombinant SOX2 antibody should be determined by the researcher.

## Immunogen

Amino acids 176-305 were used as the immunogen for the recombinant SOX2 antibody.

## Storage

Store the recombinant SOX2 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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