

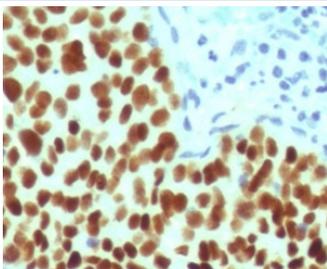
## Recombinant SOX2 Antibody [clone SBX2-1R] (V7640)

Catalog No.	Formulation	Size
V7640-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7640-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7640SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

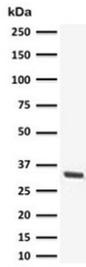
Recombinant **RABBIT MONOCLONAL**

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Recombinant Rabbit Monoclonal
<b>Isotype</b>	Rabbit IgG, kappa
<b>Clone Name</b>	SBX2-1R
<b>Purity</b>	Protein A affinity chromatography
<b>UniProt</b>	P48431
<b>Localization</b>	Nuclear
<b>Applications</b>	ELISA (order BSA-free Format For Coating) : Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml
<b>Limitations</b>	This recombinant SOX2 antibody is available for research use only.



IHC staining of FFPE human cervical carcinoma with recombinant SOX2 antibody (clone SBX2-1R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.



Western blot testing of NCCIT lysate with recombinant SOX2 antibody (clone SBX2-1R).  
Predicted molecular weight ~34 kDa.

## Description

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. [UniProt]

## Application Notes

The stated application concentrations are suggested starting points. Titration of the SOX2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## 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).