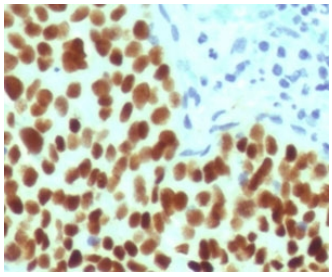
Recombinant SOX2 Antibody [clone SBX2-1R] (V7640)

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

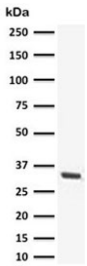
Recombinant RABBIT MONOCLONAL

Bulk quote request

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

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