

AbboMax, Inc

Innovation at Work

Order Information

Description: Rabbit anti-SOX-2
Catalogue#: 601-490
Lot#: See the label
Size: 100 ug/200 ul
Host: Rabbit
Clone: N/A
Application: ELISA, WB, IHC
Reactivity: Hu, Rt, Ms, Ck, Bv, Dg

Rabbit anti SOX-2 Antibody

Alternate Names: Sry-related high-mobility group (HMG) box 2

ANTIGEN PREPARATION

A synthetic peptide derived from N-terminus of Human SOX-2 protein. This sequence is identical among human, rat, mouse, bovine, chicken, and dog.

BACKGROUND

The SOX2 is a transcription factor, a member of the SRY-related HMG-box (SOX) family involved in the regulation of embryonic development and in the determination of cell fate. Mutations in this gene have been associated with bilateral anophthalmia, a severe form of structural eye malformation. When SOX-2 is expressed in self-renewing progenitor cells, it acts to inhibit neuronal differentiation. Sox-2 is considered as an appropriate cell-specific marker in vivo dynamics of the neural progenitor cell compartment as well as in the adult brain.

PURIFICATION

The Rabbit IgG is purified by Site-specific Epitope Affinity Purification.

SPECIFICITY

This antibody recognizes ~35 kDa of human SOX-2 protein. It also reacts with mouse and rat. The other species are not tested.

FORMULATION

This affinity purified antibody is supplied in sterile Phosphate-buffered saline (pH7.2) containing antibody stabilizer

STORAGE

The antibodies are stable for 12 months from date of receipt when stored at -20°C to -70°C. The antibodies can be stored at 2°C-8°C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

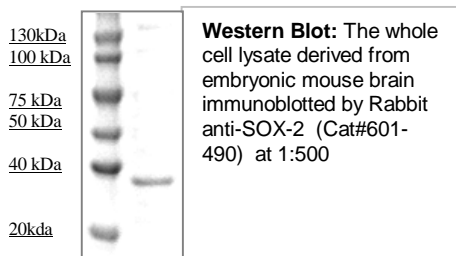
APPLICATIONS/SUGGESTED WORKING DILUTIONS

Western Blot	0.1-1 µg/ml
ELISA	0.01-0.1 µg/ml
Immunoprecipitation	2-5 µg/ml
IHC	2-5 µg/ml
Flow cytometry	Not tested

MOLECULAR WEIGHT:	35 kDa
POSITIVE CONTROL:	Mouse embryonic brain
CELLULAR LOCATION:	Nuclear

Optimal dilutions should be determined by researchers for the specific applications.

DATA ATTACHMENTS



REFERENCES

Mila Komitova and Peter S. Eriksson. Sox-2 is expressed by neural progenitors and astroglia in the adult rat brain **Neuroscience Letters** Volume 369, Issue 1, 7 October 2004, Pages 24-27

FOR RESEARCH USE ONLY.

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