



Rabbit anti SOX-4 Polyclonal Antibody

Alternative Name(s): SRY (sex determining region Y)-box 4

Order Information

- **Description:** SOX-4
- **Catalogue:** 601-510
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Rabbit
- **Clone:** nan
- **Application:** IHC(P), WB
- **Reactivity:** Hu

ANTIGEN PREPARATION

A synthetic peptide corresponding to the c-terminus (from 720AA-755aa) of human sox6 protein. This sequence is identical in human, mouse, rat, bovine, canis and chicken species.

BACKGROUND

SOX6 gene encodes a member of the D subfamily of sex determining region y-related transcription factors that are characterized by a conserved DNA-binding domain termed the high mobility group box and by their ability to bind the minor groove of DNA. SOX6 protein is a transcriptional activator that is specifically expressed in the developing central nervous system and in the early stages of chondrogenesis in mouse embryos. It is found to be essential to both cartilage formation/chondrogenesis and obesity-related insulin resistance. The SOX6 protein is also detected in glioma patient sera and brain tissues.

PURIFICATION

The Rabbit IgG is purified by Epitope Affinity Purification

FORMULATION

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

SPECIFICITY

This antibody recognizes SOX4 protein. It cross-reacts to human, mouse, rat. The other species are not tested.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at -20oC to -70oC. The antibodies can be stored at 2oC-8oC 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: 2-10 µg/ml
- Flow cytometry: Not tested
- Molecular Weight: 55.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

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

FOR RESEARCH USE ONLY.

AbboMax, Inc 2528 Qume Drive, Suite 8, San Jose, California 95131, USA
1 408-573-1898 (Tel). 1 408-573-1858 (Fax). www.abbomax.com info@abbomax.com

DATA ATTACHMENTS

MW (kDa)

1

250-

150-

100-

75-

50-

37-

25-



Western Blot: The whole cell lysate derived from mouse embryonic tissue (20 ug/lane) immunoblotted by Rabbit anti-SOX-3 (Cat#601-500) at 1:500. Observed a major immunoreactive band at molecular weight ~50 kDa

REFERENCES

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