## **SOX2 Antibody**

Rabbit Polyclonal

Antigen Affinity Purified Protein ID NP\_003097.1

Catalog No. A301-740A GeneID 6657

Lot No. A301-740A-1

APPLICATIONS WB, IP
SPECIES REACTIVITY Human

PRESUMED REACTIVITY Based on 100% sequence identity, this antibody is predicted to react with Mouse, Chicken and

Sheep

AMOUNT 100 μl

CONCENTRATION 200 μg/ml

STORAGE/SHELF LIFE 2 - 8° C / 1 year from date of receipt

PHYSICAL STATE Liquid

**BUFFER** Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide

ISOTYPE IgG
ORIGIN USA

PRODUCTION PROCEDURES

Antibody was affinity purified using an epitope specific to SOX2 immobilized on solid support.

The epitope recognized by A301-740A maps to a region between residue 250 and 300 of human SRY (sex determining region Y)-box 2 using the numbering given in entry NP\_003097.1 (GenelD

6657).

Immunoglobulin concentration was determined by extinction coefficient: absorbance at 280 nm

of 1.4 equals 1.0 mg of IgG.

**APPLICATIONS** Centrifuge tube to remove product from lid. Optimal working dilutions should be determined

experimentally by the investigator. Prepare working dilution immediately before use.

Western Blot 1:2,000 - 1:10,000

Immunoprecipitation  $2 - 5 \mu g/mg$  lysate

**APPLICATION NOTES** Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. \$100–020),

Goat anti-Rabbit Light Chain HRP Conjugate (Cat. No. A120-113P) and 4-20% SDS-PAGE

(link to IP-western blot protocol in Additional Info section below).

Western blot of lysates performed using standard western blot reagents and 4-20% SDS-PAGE.

ADDITIONAL INFO https://www.bethyl.com/product/A301-740A

Use the link above to view SDS, a current list of citations, and other product specific information.

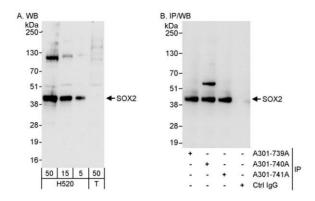
IP-western blot protocol: https://www.bethyl.com/content/protocol\_IP\_WB

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc. Eric McIntush, PhD | Chief Scientific Officer

Date: June 21, 2019



SOX2 Antibody A301-740A



Detection of human SOX2 by western blot and immunoprecipitation. Samples: Whole cell lysate from H520 (5, 15 and 50  $\mu$ g for WB; 1 mg for IP, 20% of IP loaded) and HEK293T (T; 50  $\mu$ g) cells. Antibodies: Affinity purified rabbit anti–SOX2 antibody A301–740A used for WB at 0.04  $\mu$ g/ml (A) and 1  $\mu$ g/ml (B) and used for IP at 3  $\mu$ g/mg lysate. SOX2 was also immunoprecipitated by rabbit anti–SOX2 antibodies A301–739A and A301–741A, which recognize other epitopes. Detection: Chemiluminescence with exposure times of 30 seconds (A) and 1 second (B).