

SOX15 antibody - middle region

Rabbit Polyclonal Antibody Catalog # Al10084

Specification

SOX15 antibody - middle region - Product Information

Application WB
Primary Accession 060248

Other Accession <u>060248, NP 008873, NM 006942</u>

Reactivity Human, Mouse, Rat, Rabbit, Pig, Dog,

Guinea Pig, Bovine

Predicted Human, Mouse, Dog, Guinea Pig, Bovine

Host Rabbit
Clonality Polyclonal
Calculated MW 25 kDa KDa

SOX15 antibody - middle region - Additional Information

Gene ID 6665

Alias Symbol SOX20, SOX26, SOX27

Other Names

Protein SOX-15, Protein SOX-12, Protein SOX-20, SOX15, SOX12, SOX20, SOX26, SOX27

Target/Specificity

SOX15 is a member of the SOX (SRY-related HMG-box) family of transcription factors involved in the regulation of embryonic development and in the determination of the cell fate. The protein may act as a transcriptional regulator after forming a protein complex with other proteins. This gene encodes a member of the SOX (SRY-related HMG-box) family of transcription factors involved in the regulation of embryonic development and in the determination of the cell fate. The encoded protein may act as a transcriptional regulator after forming a protein complex with other proteins.

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-SOX15 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.

Precautions

SOX15 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

SOX15 antibody - middle region - Protein Information

Name SOX15

Synonyms SOX12, SOX20, SOX26, SOX27



Function

Transcription factor that binds to DNA at the 5'-AACAATG-3' consensus sequence (By similarity). Acts as a transcriptional activator and repressor (By similarity). Binds synergistically with POU5F1 (OCT3/4) to gene promoters (By similarity). Binds to the FOXK1 promoter and recruits FHL3, resulting in transcriptional activation of FOXK1 which leads to myoblast proliferation (By similarity). Acts as an inhibitor of myoblast differentiation via transcriptional repression which leads to down-regulation of the muscle-specific genes MYOD and MYOG (By similarity). Involved in trophoblast giant cell differentiation via enhancement of HAND1 transcriptional activity (By similarity). Regulates transcription of HRC via binding to it proximal enhancer region (By similarity). Involved in skeletal muscle regeneration (By similarity). Also plays a role in the development of myogenic precursor cells (By similarity).

Cellular Location

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00267}.

Tissue Location

Widely expressed in fetal and adult tissues examined, highest level found in fetal spinal cord and adult brain and testis.

SOX15 antibody - middle region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SOX15 antibody - middle region - Images



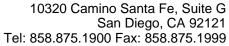
SOX15 antibody - middle region (Al10084) in Transfected 293T cells using Western Blot WB Suggested Anti-SOX15 Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:62500

Positive Control: Transfected 293T

SOX15 antibody - middle region - Background

This is a rabbit polyclonal antibody against SOX15. It was validated on Western Blot using a cell lysate as a positive control. Abgent strives to provide antibodies covering each member of a whole





protein family of your interest. We also use our best efforts to provide you antibodies recognize various epitopes of a target protein. For availability of antibody needed for your experiment, please inquire (sales@abgent.com).