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Datasheet for ABIN2777725

anti-SOX18 antibody (Middle Region)

6 Images

3 Publications

Overview

Quantity:	100 µL
Target:	SOX18
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SOX18 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human SOX18
Sequence:	RTAPPAAPLA GLYYGTLGTP GPYPGPLSPP PEAPPLESAE PLGPAADLWA
Predicted Reactivity:	Cow: 86%, Guinea Pig: 100%, Human: 100%, Mouse: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against SOX18. It was validated on Western Blot and immunohistochemistry.
Purification:	Affinity Purified

Target Details

Target:	SOX18
Alternative Name:	SOX18 (SOX18 Products)

Target Details

Background: SOX18 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 encoded protein may act as a transcriptional regulator after forming a protein complex with other proteins. This protein plays a role in hair, blood vessel, and lymphatic vessel development. Mutations in this gene have been associated with recessive and dominant forms of hypotrichosis-lymphedema-telangiectasia.

Alias Symbols: HLTS

Protein Interaction Partner: GKAP1, MECP2, MEF2C, HMGB1,

Protein Size: 384

Molecular Weight: 41 kDa

Gene ID: 54345

NCBI Accession: [NM_018419](#), [NP_060889](#)

UniProt: [P35713](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 384 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

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

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C

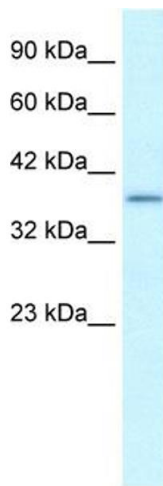
Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

aliquots to prevent freeze-thaw cycles.

Publications

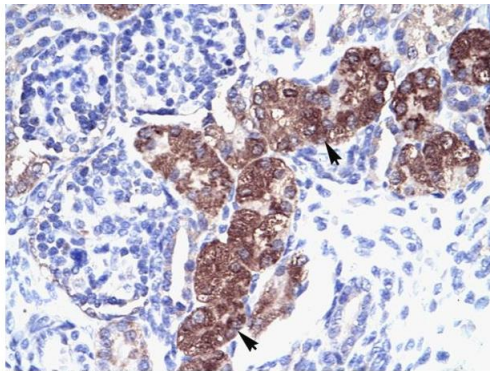
Product cited in: Coyne, Gambling, Boucher, Carson, Johnson: "Role of claudin interactions in airway tight junctional permeability." in: **American journal of physiology. Lung cellular and molecular physiology**, Vol. 285, Issue 5, pp. L1166-78, (2003) ([PubMed](#)).

Images



Western Blotting

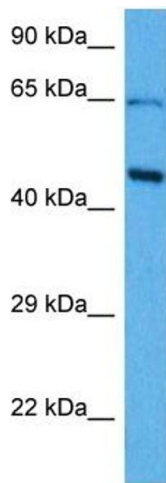
Image 1. WB Suggested Anti-SOX18 Antibody Titration: 0.2-1 ug/ml Positive Control: Human heart



Rabbit Anti-SOX18 Antibody
Catalog Number: ARP33056
Lot Number: QC2437
Paraffin Embedded Tissue: Human Kidney
Cells with Positive label: Epithelial cells of renal tubule (Indicated with Arrows)
Antibody Concentration: 4.0-8.0 µg/ml
Magnification: 400X

Immunohistochemistry

Image 2. Rabbit Anti-SOX18 Antibody Paraffin Embedded Tissue: Human Kidney Cellular Data: Epithelial cells of renal tubule Antibody Concentration: 4.0-8.0 ug/ml Magnification: 400X



Western Blotting

Image 3. Host: Mouse Target Name: SOX18 Sample Tissue: Mouse Brain Antibody Dilution: 1ug/ml

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN2777725.