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Datasheet for 600-401-ES3

SOX17 Antibody

Overview

Description:	Anti-SOX17 (RABBIT) Antibody - 600-401-ES3
Item No.:	600-401-ES3
Size:	100 µg
Applications:	ELISA, IF, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	SOX17 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 cell fate (1,2). SOX17 is part of the SoxF subgroup which plays an important role in the differentiation of different cell types, including visceral and definitive endoderm and hematopoietic cell types (3,4). SOX17 is also essential for acquisition and maintenance of arterial identity (5).
Synonyms:	SOX17 Antibody, VUR3, Transcription factor SOX-17
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	SOX17
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-SOX17 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 16 amino acid peptide near the internal region of human SOX17.
Purity/Specificity:	Anti-SOX17 antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. SOX17 antibody is human, mouse and rat reactive. SOX17 is predicted to not cross-react with other SOX proteins.

Relevant Links:	• UniProtKB - Q9H6I2 • GeneID - 64321 • NCBI - NP_071899.1

Application Details

Tested Applications:	ELISA, IF, WB
Application Note:	Anti-SOX17 Antibody has been tested for use in ELISA, Western Blotting and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 44 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000-1:20,000
IF:	20 µg/mL
WB:	1-2 µg/mL

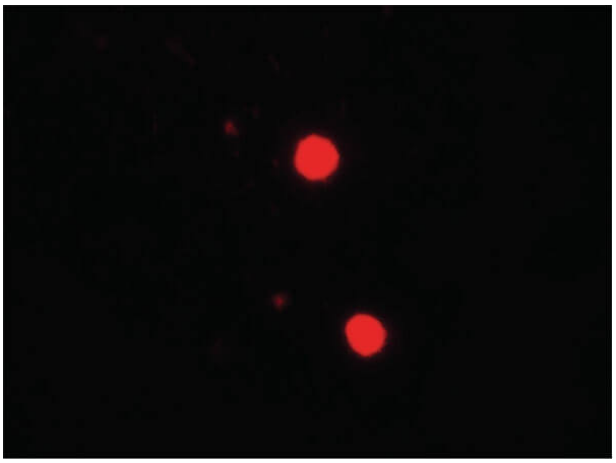
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

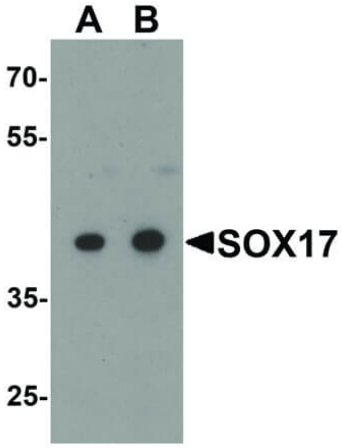
Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Immunofluorescence Microscopy
Immunofluorescence Microscopy of Rabbit anti-SOX17 antibody. Tissue: mouse liver. Primary antibody: SOX17 antibody at 20 µg/mL. Secondary antibody: Fluorescein rabbit secondary antibody at 1:20,000. Localization: SOX17 is nuclear. Staining: SOX17 as red fluorescent signal.



Western Blot
Western Blot of Rabbit anti-SOX17 antibody. Lane A: HepG2 cell lysate at 0.5 µg/mL. Lane B: HepG2 cell lysate at 1 µg/mL. Primary antibody: SOX17 antibody overnight at 4℃. Secondary antibody: Rabbit secondary antibody. Block: 5% BLOTTO. Predicted/Observed size: 46 kDa, 42 kDa for SOX17.

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