

Datasheet for 600-401-EW5**STOX2 Antibody****Overview**

Description:	Anti-STOX2 (RABBIT) Antibody - 600-401-EW5
Item No.:	600-401-EW5
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	The Storkhead box protein 2 (STOX2) is the only known paralog to STOX1, a winged-helix domain containing transcription factor believed to play a role in the differentiation of stem cells. STOX2 has been suggested to be part of a molecular profile unique to stem cells, and its mRNA may be part of a transcriptional profile observed with increased inflammatory response to air pollutants. Decreased STOX2 expression levels in decidua are also correlated with preeclampsia, suggesting STOX2 may play a role in the pathophysiology of preeclampsia.
Synonyms:	STOX2 Antibody, KIAA1392, Storkhead-box protein 2
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	STOX2
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-STOX2 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 19 amino acid synthetic peptide near the C-terminus of human STOX2.
Purity/Specificity:	Anti-STOX2 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with STOX2 from other sources has not been determined.

Relevant Links:	• UniProtKB - Q9UEW8 • GeneID - 27347 • NCBI - NP_037365
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Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-STOX2 Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 103 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
IF:	20 µg/mL
IHC:	2.5 µg/mL
WB:	1 µg/mL

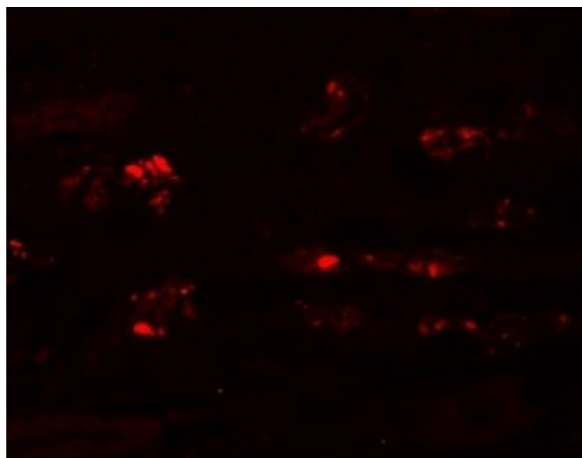
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 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

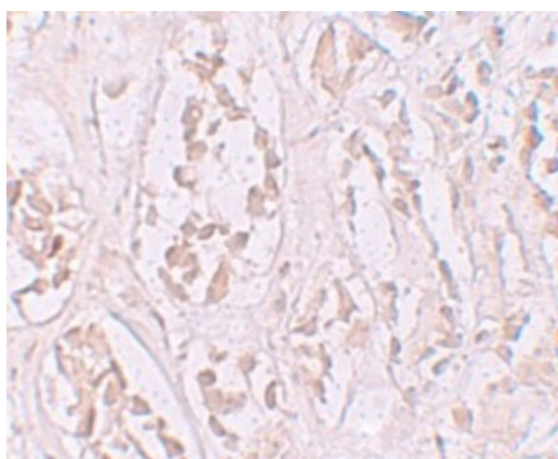


Immunofluorescence Microscopy

Immunofluorescence of STOX2.

Tissue: human kidney tissue.

Primary Antibody: Anti-STOX2 antibody at 20 µg/mL.

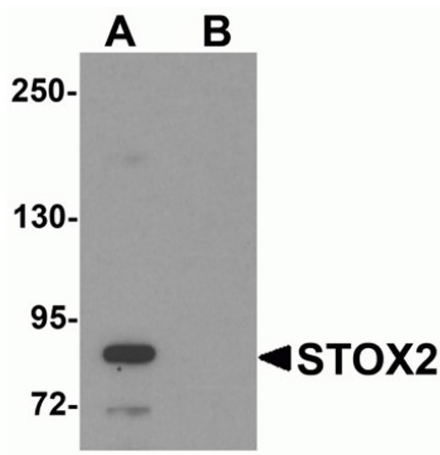


Immunohistochemistry

Immunohistochemistry of STOX2.

Tissue: human kidney tissue.

Primary Antibody: anti-STOX2 antibody at 2.5 µg/mL.



Western Blot

Western blot analysis of STOX2.

Load: human kidney tissue lysate.

Primary Antibody: Anti-STOX2 antibody at 1 µg/mL in (A) the absence and (B) the presence of blocking peptide.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.