

Datasheet for 600-401-EW4**STOX1 Antibody****Overview**

Description:	Anti-STOX1 (RABBIT) Antibody - 600-401-EW4
Item No.:	600-401-EW4
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	STOX1 (Storkhead box 1), also known as PEE4 or C10orf24, is a winged-helix domain containing transcription factor believed to play a role in the differentiation of stem cells. As a DNA-binding protein, STOX1 exists as three alternatively spliced isoforms, designated A, B and C, all of which localize to either the cytoplasm or the nucleus. Defects in STOX1 are the cause of pre-eclampsia/eclampsia 4 (PEE4), also known as gestational proteinuric hypertension. STOX1 was also found to be functionally involved in late-onset Alzheimer's disease.
Synonyms:	STOX1 Antibody, PEE4, C10orf24, Storkhead-box protein 1, Winged-helix domain-containing protein
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	STOX1
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-STOX1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 14 amino acid synthetic peptide near the C-terminus of human STOX1.

Purity/Specificity: Anti-STOX1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. STOX1 antibody is human specific. At least three alternatively spliced transcript variants encoding distinct isoforms have been observed. STOX1 antibody recognize two of the longest isoforms.

Relevant Links:

- [UniProtKB - Q6ZVD7](#)
- [GeneID - 219736](#)
- [NCBI - NP_001123631.1](#)

Application Details

Tested Applications: ELISA, WB

Application Note: Anti-STOX1 Antibody has been tested for use in ELISA and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 111 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

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

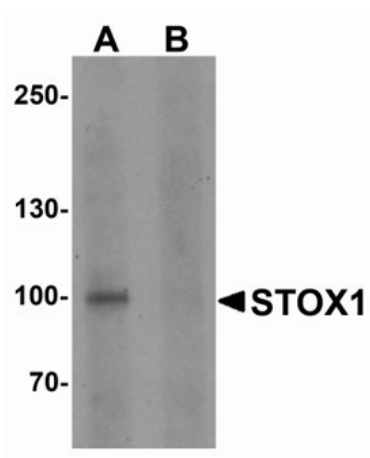
Shipping & Handling

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



Western Blot

Western blot analysis of STOX1.

Load: human liver tissue lysate.

Primary Antibody: STOX1 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.