

Datasheet for 600-401-AY1**DTX4 Antibody****Overview**

Description:	Anti-DTX4 (RABBIT) Antibody - 600-401-AY1
Item No.:	600-401-AY1
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	The Deltex 4 E3 ubiquitin ligase (DTX4) is a member of a protein family that is involved in Notch signaling and neurogenesis (1). Recent studies have shown that DTX4 is also associated with the innate immune response (2). Following the activation of type I interferon signaling, the Nod-like receptor protein 4 (NLRP4) recruits DTX4 for Lys48-linked polyubiquitination and degradation of the kinase TBK1 (NAK), thereby maintaining immune homeostasis during antiviral innate immunity (2).
Synonyms:	Deltex 4 E3 ubiquitin ligase, RNF155
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	DTX4
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-DTX4 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 19 amino acid peptide near the internal region of human DTX4.

Purity/Specificity:	Anti-DTX4 antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. DTX4 antibody is human and mouse reactive. At least two isoforms of DTX4 are known to exist; this antibody will detect both isoforms. DTX4 antibody is predicted to not cross-react with other DTX protein family members.
Relevant Links:	• UniProtKB - Q9Y2E6 • GeneID - 23220 • NCBI - NP_055992

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-DTX4 Antibody has been tested for use in ELISA, immunohistochemistry, immunofluorescence, and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 67 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
IHC:	5 µg/mL
WB:	1-2 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

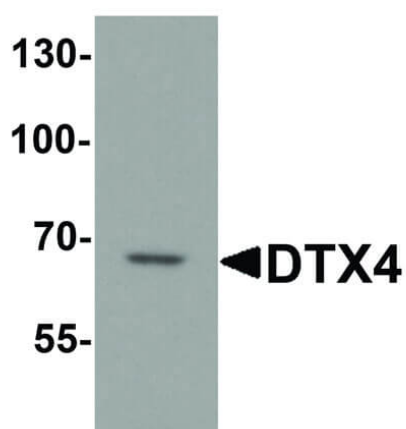
Shipping & Handling

Shipping Condition:	Dry Ice
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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 of Rabbit anti-DTX4 antibody. Lane A: HeLa cell lysate. Primary antibody: DTX4 antibody at 1 µg/mL overnight at 4°C. Secondary antibody: Goat anti-Rabbit HRP secondary antibody. Block: 5% BLOTTO. Predicted/Observed size: 68 kDa, 68 kDa for DTX4.

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.