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www.rockland.com
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+1 484.791.3823

Datasheet for 600-401-966

DAXX Antibody

Overview

Description:	Anti-DAXX (RABBIT) Antibody - 600-401-966
Item No.:	600-401-966
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	This antibody is designed, produced, and validated as part of a collaboration between Rockland and the National Cancer Institute (NCI). DAXX, the Death domain-associated protein 6, resides in multiple locations in the nucleus and in the cytoplasm and interacts with a wide variety of proteins, such as apoptosis antigen Fas, centromere protein C, and transcription factor erythroblastosis virus E26 oncogene homolog 1. In the nucleus, DAXX functions as a potent transcription corepressor that binds to several sumoylated transcription factors. Its repression can be relieved by the sequestration of this protein into promyelocytic leukemia nuclear bodies or nucleoli through interactions with MCSR1 and PML. These interactions may regulate TNFRSF6 -dependent apoptosis through the meditations of the activation of the JNK pathway and apoptosis via MAP3K5 in response to signaling from TNFRSF6 and TGFBR2. Interaction with HSPB1/HSP27 may prevent interaction with TNFRSF6 and MAP3K5 and block DAXX-mediated apoptosis. In contrast, in lymphoid cells JNC activation and TNFRSF6-mediated apoptosis may not involve DAXX. The subcellular localization and function of this protein are modulated by post-translational modifications, including sumoylation, phosphorylation and polyubiquitination. DAXX acts as histone chaperone that facilitates deposition of histone H3.3. In case of overexpression of centromeric histone variant CENPA (as found in various tumors) is involved in its mislocalization to chromosomes; the ectopic localization involves a heterotypic tetramer containing CENPA, and histones H3.3 and H4 and decreases binding of CTCF to chromatin. Anti-DAXX Antibody is useful for researchers interested in Apoptosis, TGF-Beta, MAPK Signaling Pathway, Cancer, Immunology and Nuclear Signaling research.
Synonyms:	rabbit anti-DAXX Antibody, BING2 antibody, BING-2, DAP 6 antibody, DAP6 antibody, Death associated protein 6 antibody, Death domain associated protein 6 antibody, Fas death domain-associated protein, ETS1-associated protein 1, EAP1
Host Species:	Rabbit

Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	DAXX
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to an internal region near amino acids 250-275 of human DAXX protein.
Purity/Specificity:	This affinity-purified antibody is directed against human DAXX protein. The product was affinity purified from monospecific antiserum by immunoaffinity chromatography. A BLAST analysis was used to suggest cross reactivity with DAXX protein from human, mouse, and rat based on 100% homology with the immunizing sequence. Reactivity against homologues from other sources is not known.
Relevant Links:	• NCBI - 4503257 • UniProtKB - Q9UER7 • GeneID - 1616

Application Details

Tested Applications:	ELISA, WB
Application Note:	This affinity-purified antibody has been tested for use in ELISA and western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 81 kDa in size corresponding to DAXX protein by western blotting in the appropriate cell lysate or extract.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:7,000 – 1:45,000
IF:	User Optimized
WB:	1:200 – 1:2000

Formulation

Physical State:	Liquid (sterile filtered)

Concentration:	1.06 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (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 using Rockland's affinity purified anti-DAXX antibody shows detection of DAXX in RWPE-1 cell extracts. The membrane was probed with the primary antibody diluted to 1:200, and further probed with peroxidase conjugated anti-Rabbit IgG at a 1:25,000 dilution. Personal Communication, Jie LIU, CCR-NCI, Bethesda, MD.

Disclaimer

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