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Datasheet for ABIN7164534

anti-Senataxin (SETX) (AA 2401-2677) antibody (Biotin)

Overview

Quantity: 100 µg

Target: Senataxin (SETX)

Binding Specificity: AA 2401-2677

Reactivity: Human

Host: Rabbit

Clonality: Polyclonal

Conjugate: Biotin

Application: ELISA

Product Details

Immunogen: Recombinant Human Probable helicase senataxin protein (2401-2677AA)

Isotype: IgG

Cross-Reactivity: Human

Purification: >95%, Protein G purified

Target Details

Target: Senataxin (SETX)

Alternative Name: SETX ([SETX Products](#))

Background: Background: Probable RNA/DNA helicase involved in diverse aspects of RNA metabolism and genomic integrity. Plays a role in transcription regulation by its ability to modulate RNA

Target Details

Polymerase II (Pol II) binding to chromatin and through its interaction with proteins involved in transcription (PubMed:19515850, PubMed:21700224). Contributes to the mRNA splicing efficiency and splice site selection (PubMed:19515850). Required for the resolution of R-loop RNA-DNA hybrid formation at G-rich pause sites located downstream of the poly(A) site, allowing XRN2 recruitment and XRN2-mediated degradation of the downstream cleaved RNA and hence efficient RNA polymerase II (RNAP II) transcription termination (PubMed:19515850, PubMed:21700224). Required for the 3' transcriptional termination of PER1 and CRY2, thus playing an important role in the circadian rhythm regulation (By similarity). Involved in DNA double-strand breaks damage response generated by oxidative stress (PubMed:17562789). In association with RRP45, targets the RNA exosome complex to sites of transcription-induced DNA damage (PubMed:24105744). Plays a role in the development and maturation of germ cells: essential for male meiosis, acting at the interface of transcription and meiotic recombination, and in the process of gene silencing during meiotic sex chromosome inactivation (MSCI) (By similarity). May be involved in telomeric stability through the regulation of telomere repeat-containing RNA (TERRA) transcription (PubMed:21112256). Plays a role in neurite outgrowth in hippocampal cells through FGF8-activated signaling pathways. Inhibits retinoic acid-induced apoptosis (PubMed:21576111).

Aliases: ALS4 antibody, Amyotrophic lateral sclerosis 4 protein antibody, AOA2 antibody, bA479K20.2 antibody, DKFZp781B151 antibody, FLJ12840 antibody, FLJ43459 antibody, KIAA0625 antibody, Probable helicase senataxin antibody, SCAR1 antibody, SEN1 homolog antibody, Setx antibody, SETX_HUMAN antibody

UniProt: [Q7Z333](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be

Handling

handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.