

**CDK11A polyclonal antibody**

Catalog: BS33513

Host: Rabbit

Reactivity: Human

BackGround:

Cyclin-dependent kinase 11A: Cyclin-dependent protein kinase that acts as a regulator of transcription and pre-mRNA splicing . Acts as a key regulator of pre-mRNA splicing by mediating phosphorylation of SF3B1, enabling the association between SF3B1 and U5 and U6 snRNAs in the activated spliceosome, thereby promoting spliceosome assembly . Also acts as a regulator of transcription by phosphorylating 'Ser-2' of the CTD (C-terminal domain) of the large subunit of RNA polymerase II (RNAP II) POLR2A . Involved in replication-dependent transcription of histone genes: binds to histone genes and phosphorylates POLR2A at 'Ser-2' of the CTD to specifically control transcriptional elongation of histones and recruitment of 3'-end processing factors . Part of a transcription checkpoint upstream of CDK9, which regulates promoter-proximal pausing by RNA polymerase II, a transcription halt following transcription initiation, bu...

Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~91.4 kDa

Swiss-Prot:

Q9UQ88

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of CDK11A protein

DATA:

Western blot analysis of Ezrin (Phospho-T567) expression in HeLa (A), A431 (B), SHSY5Y (C) whole cell lysates.

Immunohistochemical analysis of Ezrin (Phospho-T567) staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Note:

For research use only, not for use in diagnostic procedure.

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