

## Anti-CDK13 antibody



**Description** Unconjugated Rabbit polyclonal to CDK13

Model STJ191674

**Host** Rabbit

Reactivity Human, Mouse

**Applications** ELISA, WB

**Immunogen** Synthesized peptide derived from human CDK13 protein.

**Immunogen Region** 650-730aa

**Gene ID** 8621

Gene Symbol CDK13

**Dilution range** WB 1:500-2000 ELISA 1:5000-20000

**Specificity** CDK13 Polyclonal Antibody detects endogenous levels of protein.

**Tissue Specificity** Expressed in fetal brain, liver, muscle and in adult brain. Also expressed in

neuroblastoma and glioblastoma tumors.

**Purification** CDK13 antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

**Note** For Research Use Only (RUO).

**Protein Name** Cyclin-dependent kinase 13 CDC2-related protein kinase 5 Cell division cycle

2-like protein kinase 5 Cell division protein kinase 13 hCDK13

Cholinesterase-related cell division controller

Molecular Weight 166 kDa

**Clonality** Polyclonal

**Conjugation** Unconjugated

**Isotype** IgG

**Formulation** Liquid form in PBS containing 50% glycerol, and 0.02% sodium azide.

**Concentration** 1 mg/ml

**Storage Instruction** Store at -20°C, and avoid repeat freeze-thaw cycles.

Database Links HGNC:1733OMIM:603309

Alternative Names Cyclin-dependent kinase 13 CDC2-related protein kinase 5 Cell division cycle

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**Function** Cyclin-dependent kinase which displays CTD kinase activity and is required

for RNA splicing. Has CTD kinase activity by hyperphosphorylating the C-terminal heptapeptide repeat domain (CTD) of the largest RNA polymerase II subunit RPB1, thereby acting as a key regulator of transcription elongation. Required for RNA splicing, probably by phosphorylating SRSF1/SF2. Required during hematopoiesis. In case of infection by HIV-1 virus, interacts

with HIV-1 Tat protein acetylated at 'Lys-50' and 'Lys-51', thereby increasing HIV-1 mRNA splicing and promoting the production of the doubly spliced

HIV-1 protein Nef.

Cellular Localization Nucleus speckle

St John's Laboratory Ltd

**F** +44 (0)207 681 2580

T +44 (0)208 223 3081

W http://www.stjohnslabs.com/ E info@stjohnslabs.com