

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:17330MIM:603309
Alternative Names	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
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