Anti-CDK11B Antibody

Description	This gene encodes a member of the serine/threonine protein kinase family. Members of this kinase family are known to be essential for eukaryotic cell cycle control. Due to a segmental duplication, this gene shares very high sequence identity with a neighboring gene. These two genes are frequently deleted or altered in neuroblastoma. The protein kinase encoded by this gene can be cleaved by caspases and may play a role in cell apoptosis. Alternative splicing results in multiple transcript variants.

Model	STJ116915
Host	Rabbit
Reactivity	Mouse, Rat
Applications	IHC
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-130 of human CDK11B (NP_277021.2).
Gene ID	984
Gene Symbol	CDK11B
Dilution range	IHC 1:50 - 1:200
Tissue Specificity	Expressed ubiquitously, Some evidence of isoform-specific tissue distribution
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Cyclin-dependent kinase 11B
Molecular Weight	92.707 kDa

Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:1729OMIM:176873Reactome:R-HSA-380270
Alternative Names	Cyclin-dependent kinase 11B
Function	Plays multiple roles in cell cycle progression, cytokinesis and apoptosis, Involved in pre-mRNA splicing in a kinase activity-dependent manner, Isoform 7 may act as a negative regulator of normal cell cycle progression,
Cellular Localization	Cytoplasm, Nucleus
Post-translational Modifications	During FAS- or TNF-induced apoptosis, isoform SV9 is cleaved by caspases to produce p110C, a fragment that contains the C-terminal kinase domain