

CDC2L5 Rabbit pAb

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Product Information

Application IHC-P, IHC-F, IF, E Pig, Mouse, Dog

HostRabbitClonalityPolyclonalCalculated MW165 KDaPhysical StateLiquid

Immunogen KLH conjugated synthetic peptide derived from human CDC2L5

Epitope Specificity 601-700/1512

Isotype IgG

Purity affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Nucleus speckle.

SIMILARITY Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase

family. CDC2/CDKX subfamily. Contains 1 protein kinase domain.

SUBUNIT Interacts with CCNL1 and CCNL2 (By similarity). Interacts with C1QBP.

Interacts with HIV-1 Tat.

Post-translational Phosphorylated upon DNA damage, probably by ATM or ATR. **modifications**

Important Note This product as supplied is intended for research use only, not for use in

human, therapeutic or diagnostic applications.

Background Descriptions 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. Tissue specificity:Expressed in fetal brain, liver, muscle and in adult brain.

Also expressed in neuroblastoma and glioblastoma tumors.

Additional Information

Other Names Cyclin-dependent kinase 13, 2.7.11.22, 2.7.11.23, CDC2-related protein kinase

5, Cell division cycle 2-like protein kinase 5, Cell division protein kinase 13, hCDK13, Cholinesterase-related cell division controller, CDK13, CDC2L,

CDC2L5, CHED, KIAA1791

Target/Specificity Expressed in fetal brain, liver, muscle and in adult brain. Also expressed in

neuroblastoma and glioblastoma tumors.

Dilution IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000

Storage Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When

reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody

is stable for at least two weeks at 2-4 °C.

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.