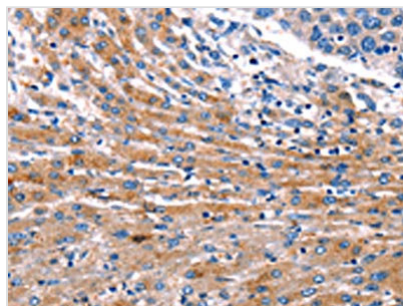




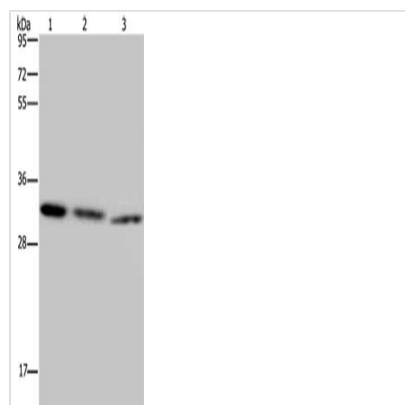
CDK5 Antibody

Product Code	CSB-PA280305
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	Q00535
Immunogen	Fusion protein of Human CDK5
Raised In	Rabbit
Species Reactivity	Human,Mouse,Rat
Tested Applications	ELISA,WB,IHC;ELISA:1:1000-1:2000,WB:1:200-1:1000,IHC:1:10-1:50
Relevance	Cell division protein kinase 5 is an enzyme that in humans is encoded by the CDK5 gene. The protein encoded by this gene is part of the cyclin-dependent kinase family. CDK5 is required for proper development of the brain and to be activated, CDK5 must associate with CDK5R1 or CDK5R2. Cdk5 is involved in the processes of neuronal maturation and migration, phosphorylating the key intracellular adaptor of the reelin signaling chain. Experiments performed on mice lacking p35, a necessary activator of cdk5 in early brain development, showed that the normal layering of neurons was reversed in the cortex. This disrupted lamination again implicated cdk5 in neuronal migration and plasticity. Cdk5 is also involved in the regulation of synaptic vesicle exocytosis via phosphorylation of munc-18.
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	-20°C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol
Purification Method	Antigen affinity purification
Isotype	IgG
Alias	cyclin-dependent kinase 5
Species	Homo sapiens (Human)
Target Names	CDK5

Image



The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using CSB-PA280305(CDK5 Antibody) at dilution 1/10, on the right is treated with fusion protein. (Original magnification: ×200)



Gel: 10+12%SDS-PAGE, Lysate: 30 μ g, Lane 1-2: Human fetal brain tissue, Human colon cancer tissue, Primary antibody: CSB-PA280305(CDK5 Antibody) at dilution 1/150, Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution, Exposure time: 5 minutes