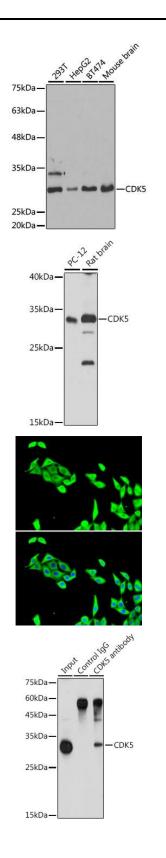
CDK5 Rabbit Polyclonal Antibody

CAB5730



Product Information	Protein Background
Size:	This gene encodes a proline-directed serine/threonine kinase that is a member of the cyclin
20uL, 50uL, 100uL, 200uL	dependent kinase family of proteins. Unlike other members of the family, the protein encoded by this gene does not directly control cell cycle regulation. Instead the protein, which is
Observed MW:	predominantly expressed at high levels in mammalian postmitotic central nervous system neurons, functions in diverse processes such as synaptic plasticity and neuronal migration
30kDa	through phosphorylation of proteins required for cytoskeletal organization, endocytosis and exocytosis, and apoptosis. In humans, an allelic variant of the gene that results in undetectable
Calculated MW:	levels of the protein has been associated with lethal autosomal recessive lissencephaly-7 Alternative splicing results in multiple transcript variants.
29kDa/33kDa	Alternative splicing results in multiple transcript variants.
Applications:	Immunogen information
WB IF IP	Gene ID: 1020
Reactivity:	
Human, Mouse, Rat	Uniprot Q00535
Antibody Information	Synonyms: CDK5; LIS7; PSSALRE
Recommended dilutions: WB 1:500 - 1:2000 IF 1:10 - 1:100 IP 1:50 - 1:200	
Source: Rabbit	Immunogen: Recombinant fusion protein containing a sequence corresponding to amino acids 1-292 of human CDK5 (NP_004926.1).
lsotype:	-
lgG	Storage: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Purification: Affinity purification



Western blot analysis of extracts of various cell lines, using CDK5 antibody (CAB5730) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 30s.

Western blot analysis of extracts of various cell lines, using CDK5 antibody (CAB5730) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 90s.

Immunofluorescence analysis of U2OS cells using CDK5 antibody (CAB5730). Blue: DAPI for nuclear staining.

Immunoprecipitation analysis of 900ug extracts of A-549 cells using 3ug CDK5 antibody (CAB5730). Western blot was performed from the immunoprecipitate using CDK5 antibody (CAB5730) at a dilition of 1:1000.