

**bs-10258R****[ Primary Antibody ]****CDK5 Rabbit pAb****Bioss**  
**ANTIBODIES**

www.bioss.com.cn

sales@bioss.com.cn

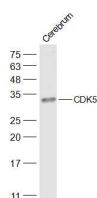
techsupport@bioss.com.cn

400-901-9800

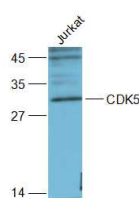
**— DATASHEET —****Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 1020**SWISS:** Q00535**Target:** CDK5**Immunogen:** KLH conjugated synthetic peptide derived from human CDK5: 31-130/292.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

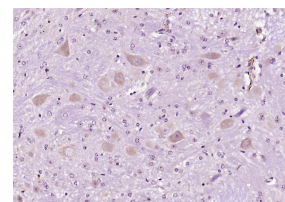
**Background:** This gene encodes a proline-directed serine/threonine kinase that is a member of the cyclin-dependent kinase family of proteins. Unlike other members of the family, the protein encoded by this gene does not directly control cell cycle regulation. Instead the protein, which is predominantly expressed at high levels in mammalian postmitotic central nervous system neurons, functions in diverse processes such as synaptic plasticity and neuronal migration 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 levels of the protein has been associated with lethal autosomal recessive lissencephaly-7. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2015]

**Applications:** WB (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Flow-Cyt** (1ug/Test)**Reactivity:** Human, Mouse, Rat  
(predicted: Rabbit, Cow, Chicken, Dog)**Predicted MW.:** 32 kDa**Subcellular Location:** Cell membrane ,Cytoplasm ,Nucleus**— VALIDATION IMAGES —**

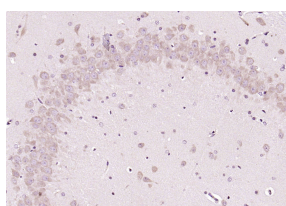
Sample: Cerebrum (Rat) Lysate at 40 ug  
Primary: Anti-CDK5 (bs-10258R) at 1/500 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 32 kD  
Observed band size: 32 kD



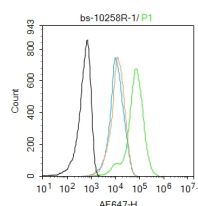
Sample: Jurkat(Human) Cell Lysate at 30 ug  
Primary: Anti-CDK5 (bs-10258R) at 1/2000 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 32 kD  
Observed band size: 32 kD



Paraformaldehyde-fixed, paraffin embedded (mouse cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CDK5) Polyclonal Antibody, Unconjugated (bs-10258R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat)



Blank control: Molt4. Primary Antibody (green)

**Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CDK5) Polyclonal Antibody, Unconjugated (bs-10258R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

line); Rabbit Anti-CDK5 antibody (bs-10258R) Dilution: 1µg /10<sup>6</sup> cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-AF647 Dilution: 1µg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

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## — SELECTED CITATIONS —

- **[IF=2.1]** Xiangdong Meng. et al. Naringin ameliorates memory deficits and exerts neuroprotective effects in a mouse model of Alzheimer's disease by regulating multiple metabolic pathways. Mol Med Rep. 2021 May;23(5):1-13 WB ;Mouse. 33760152