

## CDK5R2 (N100) polyclonal antibody

Catalog: BS2044

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

Cdk 5 is required for proper development of the mammalian central nervous system and is predominantly expressed in neurons. Neuronal Cdk5 can be activated by two accessory proteins designated p35<sup>nck5a</sup> and p39<sup>nck5ai</sup>, which is also known as p39. The human p39 gene maps to chromosome 2q35 and encodes a 367-amino acid, 39 kDa protein. p35 and p39 both share limited similarity to cyclins and may define a distinct family of cyclin-dependent kinase activating proteins. During embryonic rat brain development, the expression pattern of p39 appears to have an inverse relationship to that of Cdk5 and p35, suggesting that these proteins may have region-specific and developmental stage-specific functions in rat brain. p39 can localize to lamellipodial and filopodial structures of cells and in growth cones of neurons. In addition, p39 can colocalize with actin, suggesting that p39 plays a role in regulating actin cytoskeletal dynamics in cells.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 39 kDa

### Swiss-Prot:

Q13319

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

CDK5R2 (N100) polyclonal antibody detects endogenous levels of CDK5R2 protein.

### DATA:



Western blot (WB) analysis of CDK5R2 (N100) polyclonal antibody at 1:500 dilution

Lane1:HUVEC whole cell lysate(40ug)

### Note:

For research use only, not for use in diagnostic procedure.

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