



p35 Monoclonal Antibody

Catalog No	BYmab-16764
Isotype	lgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	CDK5R1
Protein Name	Cyclin-dependent kinase 5 activator 1
Immunogen	The antiserum was produced against synthesized peptide derived from human CDK5R1. AA range:11-60
Specificity	p35 Monoclonal Antibody detects endogenous levels of p35 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Bildion	WB 1.500-2000
Concentration	1 mg/ml
Concentration	1 mg/ml
Concentration Purity	1 mg/ml ≥90%
Concentration Purity Storage Stability	1 mg/ml ≥90% -20°C/1 year CDK5R1; CDK5R; NCK5A; Cyclin-dependent kinase 5 activator 1; CDK5 activator 1; Cyclin-dependent kinase 5 regulatory subunit 1; TPKII regulatory
Concentration Purity Storage Stability Synonyms	1 mg/ml ≥90% -20°C/1 year CDK5R1; CDK5R; NCK5A; Cyclin-dependent kinase 5 activator 1; CDK5 activator 1; Cyclin-dependent kinase 5 regulatory subunit 1; TPKII regulatory subunit 38kD [Cyclin-dependent kinase 5 activator 1, p35]: Cell membrane ; Lipid-anchor ; Cytoplasmic side . Cell projection, neuron projection . In the primary cortical neurons, p35 is present in the peripheries and nerve terminals; [Cyclin-dependent kinase 5 activator 1, p25]: Nucleus . Cytoplasm, perinuclear
Concentration Purity Storage Stability Synonyms Observed Band	1 mg/ml ≥90% -20°C/1 year CDK5R1; CDK5R; NCK5A; Cyclin-dependent kinase 5 activator 1; CDK5 activator 1; Cyclin-dependent kinase 5 regulatory subunit 1; TPKII regulatory subunit 38kD [Cyclin-dependent kinase 5 activator 1, p35]: Cell membrane ; Lipid-anchor ; Cytoplasmic side . Cell projection, neuron projection . In the primary cortical neurons, p35 is present in the peripheries and nerve terminals; [Cyclin-dependent kinase 5 activator 1, p25]: Nucleus . Cytoplasm, perinuclear region . Perikaryon . The conversion of p35 to p25 relocalizes the protein from the cell periphery to the cytoplasm, in nuclear and perinuclear regions (PubMed:18507738). In the primary cortical neurons, p25 is primarily concentrated in the cell soma and is largely absent from neurites
Concentration Purity Storage Stability Synonyms Observed Band Cell Pathway	1 mg/ml ≥90% -20°C/1 year CDK5R1; CDK5R; NCK5A; Cyclin-dependent kinase 5 activator 1; CDK5 activator 1; Cyclin-dependent kinase 5 regulatory subunit 1; TPKII regulatory subunit 38kD [Cyclin-dependent kinase 5 activator 1, p35]: Cell membrane ; Lipid-anchor ; Cytoplasmic side . Cell projection, neuron projection . In the primary cortical neurons, p35 is present in the peripheries and nerve terminals; [Cyclin-dependent kinase 5 activator 1, p25]: Nucleus . Cytoplasm, perinuclear region . Perikaryon . The conversion of p35 to p25 relocalizes the protein from the cell periphery to the cytoplasm, in nuclear and perinuclear regions (PubMed:18507738). In the primary cortical neurons, p25 is primarily concentrated in the cell soma and is largely absent from neurites (PubMed:18507738)

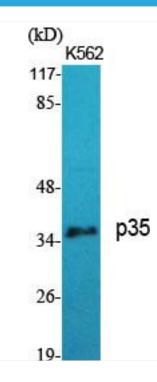
B	博研生物 BYabscience
	DIAUSCIENCE

国内优质抗体供应商 精准的 WB 检测服务

24H 在线服务, 欢迎咨询

	Alzheimer disease, but not in normal brain. This accumulation correlates with an increase in CDK5 kinase activity. Application of amyloid beta peptide A-beta(1-42) induced the conversion of p35 to p25 in primary cortical neurons. Expression of the p25/Cdk5 complex in cultured primary neurons induces cytoskeletal disruption, morphological degeneration and apoptosis.,function:p35 is a neuron specific activator of CDK5. The complex p35/CDK5 is required for neurite outgrowth and cortical lamination. Activator of TPKII.,PTM:Probably myristoylated. The Gly-2-Ala mutant is absent of the cell periphery, suggesting that a proper myristoylation signal is essential for the proper distribution of p35.,PTM:The p35 form is proteolytically cleaved by
Background	The protein encoded by this gene (p35) is a neuron-specific activator of cyclin-dependent kinase 5 (CDK5); the activation of CDK5 is required for proper development of the central nervous system. The p35 form of this protein is proteolytically cleaved by calpain, generating a p25 form. The cleavage of p35 into p25 results in relocalization of the protein from the cell periphery to nuclear and perinuclear regions. P25 deregulates CDK5 activity by prolonging its activation and changing its cellular location. The p25 form accumulates in the brain neurons of patients with Alzheimer's disease. This accumulation correlates with an increase in CDK5 kinase activity, and may lead to aberrantly phosphorylated forms of the microtubule-associated protein tau, which contributes to Alzheimer's disease. [provided by RefSeq, Jul 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using p35 Monoclonal Antibody

Nanjing BYabscience technology Co.,Ltd