Datasheet for ABIN272221

anti-CDK5R2 antibody

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Overview

Quantity:	0.1 mg
Target:	CDK5R2
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDK5R2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Specificity:	This antibody detects endogenous levels of p39 protein. (region surrounding asn100)
Cross-Reactivity (Details):	Species reactivity (tested):Human.
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Purity:	> 95 % pure by SDS-PAGE

Target Details

Target:	CDK5R2
Alternative Name:	CDK5R2 (CDK5R2 Products)
Background:	Cyclin dependent kinases, known as Cdks, regulate transitions in the eukaryotic cell cycle. 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

Target Details

	proteins designated p35nck5a and p39nck5ai, 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 fillopodial 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. The temporal and spatial expression of p39 in synaptic junctions indicates a possible role of the p39/cdk5 kinase at the synapse.Synonyms: CDK5 activator 2, Cyclin-dependent kinase 5 activator 2, Cyclin-dependent kinase 5 regulatory subunit 2, NCK5AI, P39, P39I
Molecular Weight:	approx. 40 kDa
Gene ID:	8941
NCBI Accession:	NP_003927
UniProt:	Q13319

Application Details

Application Notes:	ELISA: 1: 20000approx. 1: 40000. WB: 1: 500approx. 1: 1000. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Concentration:	1,0 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.2., 0.05 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	DO NOT FREEZE!
Storage:	4 °C

Handling

Storage Comment:	Store the antibody undiluted at 2-8 °C.

Images

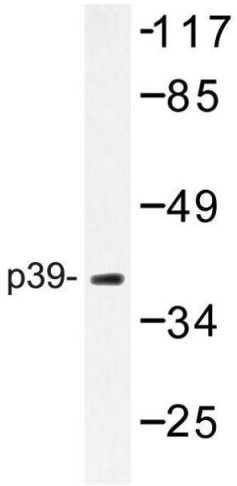

Image 1.