

Anti-p39 Antibody

Catalog # AP51070

Product Information

Application	WB, IHC, IF/IC
Primary Accession	Q13319
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38705

Additional Information

Gene ID	8941
Other Names	NCK5AI; Cyclin-dependent kinase 5 activator 2; CDK5 activator 2; Cyclin-dependent kinase 5 regulatory subunit 2; p39; p39I
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human p39. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

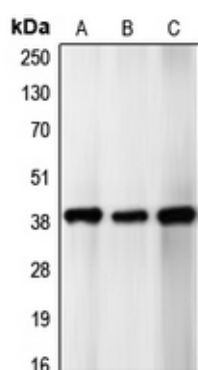
Protein Information

Name	CDK5R2
Synonyms	NCK5AI
Function	Activator of CDK5/TPKII.
Cellular Location	Cell membrane; Lipid-anchor; Cytoplasmic side
Tissue Location	Brain and neuron specific.

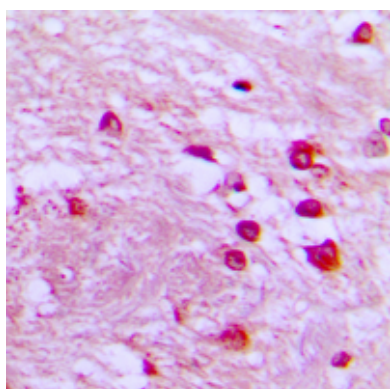
References

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Hillier L.W.,et al.Nature 434:724-731(2005).
Asada A.,et al.J. Neurochem. 106:1325-1336(2008).

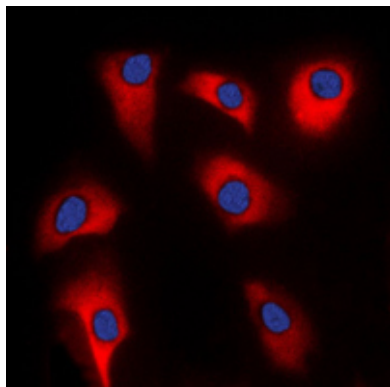
Images



Western blot analysis of p39 expression in SHSY5Y (A), HeLa (B), U87MG (C) whole cell lysates. (Predicted band size: 38 kD; Observed band size: 43 kD)



Immunohistochemical analysis of p39 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of p39 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

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