

Product name:	CDK5 Activator-binding C42 Rabbit Polyclonal Antibody
Cat number:	ABN08565
Conjugate:	Unconjugated
Size:	100µL
Clone:	Polyclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	The antiserum was produced against synthesized peptide derived from human CDK5RAP1. AA range:251-300
Reactivity:	Human,Rat,Mouse
Applications:	IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000
Purification:	Affinity purification
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.
Background:	This gene encodes a regulator of cyclin-dependent kinase 5 activity. This protein has also been reported to modify RNA by adding a methylthio-group and may thus have a dual function as an RNA methylthiotransferase and as an inhibitor of cyclin-dependent kinase 5 activity. Alternative splicing results in multiple transcript variants that encode different isoforms. [provided by RefSeq, May 2013],cofactor: Binds 2 4Fe-4S clusters. One cluster is coordinated with 3 cysteines and an exchangeable S-adenosyl-L-methionine.,function: Specifically inhibits CDK5 activation by CDK5R1.,sequence caution: Translated as Glu.,similarity: Belongs to the methylthiotransferase family. MiaB subfamily.,similarity: Contains 1 MTTase N-terminal domain.,similarity: Contains 1 TRAM domain.,subunit: Interacts with CDK5R1 (p35 form). CDK5RAP1, CDK5RAP2 and CDK5RAP3 show competitive binding to CDK5R1. Forms a complex with CDK5R1 and CDK5.,tissue specificity: Widely expressed. Expressed in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas.,