



CDK5 Activator-binding C42 Polyclonal Antibody

| | |
|---------------------------|---|
| Catalog No | YP-Ab-01601 |
| Isotype | IgG |
| Reactivity | Human;Rat;Mouse; |
| Applications | IHC;IF;ELISA |
| Gene Name | CDK5RAP1 |
| Protein Name | CDK5 regulatory subunit-associated protein 1 |
| Immunogen | The antiserum was produced against synthesized peptide derived from human CDK5RAP1. AA range:251-300 |
| Specificity | CDK5 Activator-binding C42 Polyclonal Antibody detects endogenous levels of CDK5 Activator-binding C42 protein. |
| Formulation | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Source | Polyclonal, Rabbit,IgG |
| Purification | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| Dilution | IHC: 1/100 - 1/300. ELISA: 1/20000.. IF 1:50-200 |
| Concentration | 1 mg/ml |
| Purity | ≥90% |
| Storage Stability | -20°C/1 year |
| Synonyms | CDK5RAP1; C20orf34; CGI-05; HSPC167; CDK5 regulatory subunit-associated protein 1; CDK5 activator-binding protein C42 |
| Observed Band | |
| Cell Pathway | Mitochondrion . |
| Tissue Specificity | Expressed in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas (PubMed:10721722). Expressed in neurons of central nervous tissue (PubMed:10721722, PubMed:11882646). ; [Isoform 5]: Mainly expressed in brain, placenta and testis.; [Isoform 6]: High expression in placenta and lung. |
| Function | 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., |
| 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 methyltransferase 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],

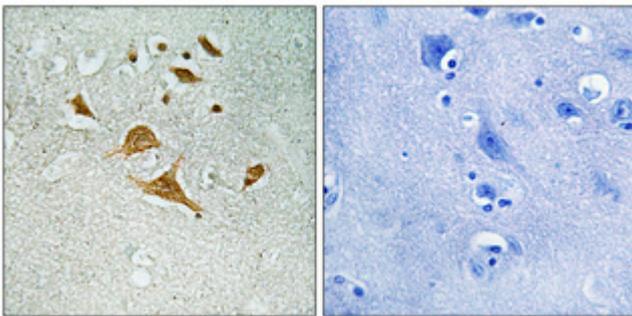
matters needing attention

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



Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.