Anti-CDK5 Activator-binding C48 antibody

Description	Rabbit polyclonal to CDK5 Activator-binding C48.

Model	STJ92202
Host	Rabbit
Reactivity	Human
Applications	ELISA, IHC
Immunogen	Synthesized peptide derived from human CDK5 Activator-binding C48
Immunogen Region	220-300 aa, N-terminal
Gene ID	55755
Gene Symbol	CDK5RAP2
Dilution range	IHC 1:100-1:300ELISA 1:20000
Specificity	CDK5 Activator-binding C48 Polyclonal Antibody detects endogenous levels of CDK5 Activator-binding C48 protein.
Tissue Specificity	Widely expressed. Expressed in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	CDK5 regulatory subunit-associated protein 2 CDK5 activator-binding protein C48 Centrosome-associated protein 215
Molecular Weight	215.024 kDa

Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:18672OMIM:604804
Alternative Names	CDK5 regulatory subunit-associated protein 2 CDK5 activator-binding protein C48 Centrosome-associated protein 215
Function	Potential regulator of CDK5 activity via its interaction with CDK5R1. Negative regulator of centriole disengagement (licensing) which maintains centriole engagement and cohesion. Involved in regulation of mitotic spindle orientation . Plays a role in the spindle checkpoint activation by acting as a transcriptional regulator of both BUBR1 and MAD2 promoter. Together with MAPRE1, it may promote microtubule polymerization, bundle formation, growth and dynamics at the plus ends. Regulates centrosomal maturation by recruitment of a gamma-tubulin ring complex onto centrosomes .
Cellular Localization	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome Golgi apparatus. Cytoplasm. Found in the pericentriolar region adhering to the surface of the centrosome and in the region of the centrosomal appendages. Localizes to microtubule plus ends.
Post-translational Modifications	Phosphorylated in vitro by CDK5.