

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 <u>55755</u>

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.

St John's Laboratory Ltd

F +44 (0)207 681 2580

T +44 (0)208 223 3081

W http://www.stjohnslabs.com/ E info@stjohnslabs.com