

Recombinant human PRKCA-binding protein

Catalog No: #AP71885



Package Size: #AP71885-1 20ug #AP71885-2 100ug #AP71885-3 1mg

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Support: tech@signalwayantibody.com

Description

Product Name	Recombinant human PRKCA-binding protein
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-200aaSequence Info:Partial
Other Names	Protein interacting with C kinase 1;Protein kinase C-alpha-binding protein
Accession No.	Q9NRD5
Uniprot	Q9NRD5
GeneID	9463;
Calculated MW	48.9 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	MFADLDYDIEEDKLGIPVPGKVTLQKDAQNLIGISIGGGAQYCPCLYIVQVFDNTPAALDGTVAAGDEITGVNG RSIKGKTKVEVAKMIQEVKGEVTIHYNKLQADPKQGMSLDIVLKKVKHRLVENMSSGTADALGLSRAILCNDGL VKRLEELERTAELYKGMTEHTKNLLRAFYELSQTHRAFGDVFVSVIGVREPQ
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Probable adapter protein that bind to and organize the subcellular localization of a variety of mbrane proteins containing some PDZ recognition sequence. Involved in the clustering of various receptors, possibly by acting at the receptor internalization level. Plays a role in synaptic plasticity by regulating the trafficking and internalization of AMPA receptors. May be regulated upon PRKCA activation. May regulate ASIC1,ASIC3 channel. Regulates actin polymerization by inhibiting the actin-nucleating activity of the Arp2,3 complex; the function is competetive with nucleation promoting factors and is linked to neuronal morphology regulation and AMPA receptor (AMPA) endocytosis. Via interaction with the Arp2,3 complex involved in regulation of synaptic plasicity of excitatory synapses and required for spine shrinkage during long-term depression (LTD). Involved in regulation of astrocyte morphology, antagonistic to Arp2,3 complex activator WASL,N-WASP function.

References

Interaction of the PDZ domain of human PICK1 with class I ADP-ribosylation factors.Takeya R., Takeshige K., Sumimoto H.Biochem. Biophys. Res. Commun. 267:149-155(2000)Research Topic:Signal Transduction

Note: This product is for in vitro research use only