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HSPC210/GSK3beta interaction protein Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56946

Product Information

Application	IHC-P, IHC-F, IF, ICC
Primary Accession	Q9P0R6
Reactivity	Rat, Cynomolgus
Host	Rabbit
Clonality	Polyclonal
Calculated MW	15648

Additional Information

Gene ID	51527
Other Names	GSK3B-interacting protein {ECO:0000312|HGNC:HGNC:20343}, GSKIP, GSK3beta interaction protein {ECO:0000312|HGNC:HGNC:20343}, GSKIP {ECO:0000303|PubMed:16981698, ECO:0000312|HGNC:HGNC:20343}
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	GSKIP {ECO:0000303|PubMed:16981698, ECO:0000312|HGNC:HGNC:20343}
Function	A-kinase anchoring protein for GSK3B and PKA that regulates or facilitates their kinase activity towards their targets (PubMed:16981698, PubMed:25920809, PubMed:27484798). The ternary complex enhances Wnt-induced signaling by facilitating the GSK3B- and PKA-induced phosphorylation of beta-catenin leading to beta-catenin degradation and stabilization respectively (PubMed:16981698, PubMed:27484798). Upon cAMP activation, the ternary complex contributes to neuroprotection against oxidative stress-induced apoptosis by facilitating the PKA-induced phosphorylation of DML1 and PKA-induced inactivation of GSK3B (PubMed:25920809). During neurite outgrowth promotes neuron proliferation; while increases beta-catenin-induced transcriptional activity through GSK3B kinase activity inhibition, reduces N-cadherin level to promote cell cycle progression (PubMed:19830702).
Cellular Location	Cytoplasm. Nucleus

Tissue Location	Detected in heart, brain, placenta, liver, skeletal muscle, kidney, testis, lung and pancreas

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.