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C14orf129 antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI14031

Product Information

Application	WB
Primary Accession	Q9P0R6
Other Accession	NM_016472, NP_057556
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Dog, Guinea Pig, Horse, Bovine
Predicted	Rabbit, Pig, Guinea Pig, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	15648

Additional Information

Gene ID	51527
Alias Symbol	GSKIP, HSPC210, MGC4945, C14orf129
Other Names	GSK3-beta interaction protein, GSKIP, GSKIP, C14orf129
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-C14orf129 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	C14orf129 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

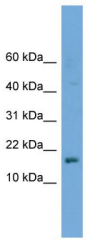
Name	GSKIP {ECO:0000303|PubMed:16981698, ECO:0000312|HGNC:HGNC:20343}
Function	A-kinase anchoring protein for GSK3B and PKA that regulates or facilitates their kinase activity towards their targets (PubMed:16981698, PubMed:25920809, PubMed:27484798). The ternary complex enhances Wnt-induced signaling 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

References

Zhang Q.-H.,et al.Genome Res. 10:1546-1560(2000).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Heilig R.,et al.Nature 421:601-607(2003).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Chou H.-Y.,et al.Biochemistry 45:11379-11389(2006).

Images



WB Suggested Anti-C14orf129 Antibody Titration: 0.2-1 µg/ml
Positive Control: HepG2 cell lysate