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C14orf129 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI14031

Specification

C14orf129 antibody - middle region - Product Information

Application	**WB**
Primary Accession	Q9P0R6
Other Accession	NM_016472, NP_057556
Reactivity	**Human, Mouse, Rat, Rabbit, Horse, Bovine, Guinea Pig, Dog**
Predicted	**Rabbit, Pig, Horse, Guinea Pig**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**16kDa KDa**

C14orf129 antibody - middle region - 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.

C14orf129 antibody - middle region - 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:27484798, PubMed:25920809, PubMed:16981698). 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:27484798, PubMed:<a

href="http://www.uniprot.org/citations/16981698" target="_blank">16981698). 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

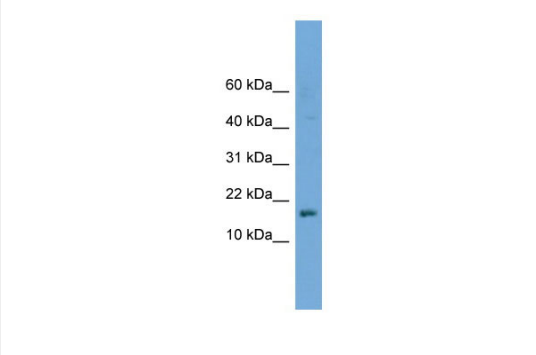
Tissue Location
Detected in heart, brain, placenta, liver, skeletal muscle, kidney, testis, lung and pancreas

C14orf129 antibody - middle region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

C14orf129 antibody - middle region - Images



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

C14orf129 antibody - middle region - 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).