

DIP2B Rabbit pAb

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Catalog # AP55526

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9P265
Reactivity	Rat, Human, Mouse
Predicted	Dog, Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	171492
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human DIP2
Epitope Specificity	25-130/1576
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a member of the disco-interacting protein homolog 2 protein family. The encoded protein contains a binding site for the transcriptional regulator DNA methyltransferase 1 associated protein 1 as well as AMP-binding sites. The presence of these sites suggests that the encoded protein may participate in DNA methylation. This gene is located near a folate-sensitive fragile site, and CGG-repeat expansion in the promoter of this gene which affects transcription has been detected in individuals containing this fragile site on chromosome 12. [provided by RefSeq, Aug 2011]

Additional Information

Gene ID	57609
Other Names	Disco-interacting protein 2 homolog B, DIP2 homolog B, DIP2B, KIAA1463
Dilution	IHC-P=1:100-500,IHC-F=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.

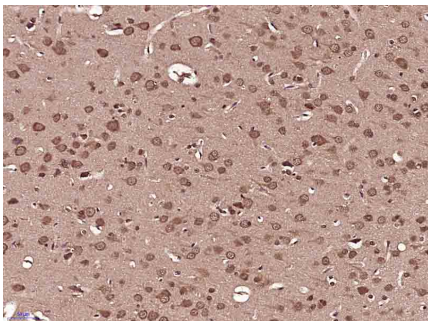
Protein Information

Name	DIP2B
Synonyms	KIAA1463
Function	Negatively regulates axonal outgrowth and is essential for normal synaptic transmission. Not required for regulation of axon polarity. Promotes acetylation of alpha-tubulin.
Cellular Location	Cell projection, dendrite {ECO:0000250 UniProtKB:Q3UH60}. Cell projection, axon {ECO:0000250 UniProtKB:Q3UH60}. Perikaryon {ECO:0000250 UniProtKB:Q3UH60}
Tissue Location	Moderately expressed in adult brain, placenta, skeletal muscle, heart, kidney, pancreas, lung, spleen and colon Expression was weaker in adult liver, kidney, spleen, and ovary, and in fetal brain and liver. In the brain, it is expressed in the cerebral cortex; the frontal, parietal, occipital and temporal lobes; the paracentral gyrus; the pons; the corpus callosum and the hippocampus Highest expression levels in the brain were found in the cerebral cortex and the frontal and parietal lobes

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Images



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (DIP2B) Polyclonal Antibody, Unconjugated (AP55526) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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