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DIP2A Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21444c

Product Information

Application	WB, E
Primary Accession	Q14689
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB49833
Calculated MW	170369

Additional Information

Gene ID	23181
Other Names	Disco-interacting protein 2 homolog A, DIP2 homolog A, DIP2A, C21orf106, DIP2, KIAA0184
Target/Specificity	This DIP2A antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 934-969 amino acids from the Central region of human DIP2A.
Dilution	WB~~1:1000-1:2000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	DIP2A Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	DIP2A
Synonyms	C21orf106, DIP2, KIAA0184
Function	Catalyzes the de novo synthesis of acetyl-CoA in vitro (By similarity). Promotes acetylation of CTTN, possibly by providing the acetyl donor,

ensuring correct dendritic spine morphology and synaptic transmission (By similarity). Binds to follistatin-related protein FSTL1 and may act as a cell surface receptor for FSTL1, contributing to AKT activation and subsequent FSTL1-induced survival and function of endothelial cells and cardiac myocytes (PubMed:20054002).

Cellular Location Cell membrane; Peripheral membrane protein. Mitochondrion {ECO:0000250|UniProtKB:Q8BWT5}. Cell projection, dendritic spine {ECO:0000250|UniProtKB:Q8BWT5}

Tissue Location Low expression in all tissues tested.

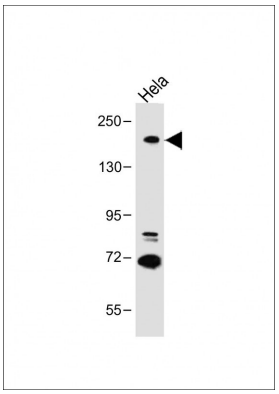
Background

May provide positional cues for axon pathfinding and patterning in the central nervous system.

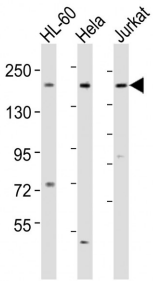
References

Gardiner K.,et al.Genomics 79:833-843(2002).
Tanaka M.,et al.Submitted (SEP-2006) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Hattori M.,et al.Nature 405:311-319(2000).
Nagase T.,et al.DNA Res. 3:17-24(1996).

Images



Anti-DIP2A_HUMAN at 1:500 dilution + Hela whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 170 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



All lanes : Anti-DIP2A Antibody (Center) at 1:1000-1:2000 dilution Lane 1: HL-60 whole cell lysates Lane 2: Hela whole cell lysates Lane 3: Jurkat whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 170 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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