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DIP2A Blocking Peptide (Center)

Synthetic peptide
Catalog # BP21444c

Specification

DIP2A Blocking Peptide (Center) - Product Information

Primary Accession Q14689

DIP2A Blocking Peptide (Center) - Additional Information

Gene ID 23181

Other Names
Disco-interacting protein 2 homolog A, DIP2 homolog A, DIP2A, C21orf106, DIP2, KIAA0184

Target/Specificity
The synthetic peptide sequence is selected from aa 934-949 of HUMAN DIP2A

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

DIP2A Blocking Peptide (Center) - 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.

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DIP2A Blocking Peptide (Center) - Protocols

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

- Blocking Peptides

DIP2A Blocking Peptide (Center) - Images

DIP2A Blocking Peptide (Center) - Background

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

DIP2A Blocking Peptide (Center) - 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).