

C18orf42 Antibody

Catalog # ASC11968

Product Information

Application	WB, E
Primary Accession	P0CW23
Other Accession	NP_001138666 , 223633927
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	7848
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	C18orf42 antibody can be used for the detection of C18orf42 by Western blot at 1 - 2 µg/mL.

Additional Information

Gene ID	642597
Other Names	Putative uncharacterized protein C18orf42, C18orf42
Target/Specificity	C18orf42; C18orf42 antibody is human specific.
Reconstitution & Storage	C18orf42 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.
Precautions	C18orf42 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	AKAIN1 (HGNC:28285)
Synonyms	C18orf42
Function	Protein kinase A (PKA)-binding protein. Binds to type II regulatory subunits of protein kinase A (PKA) and may block the A- kinase anchoring protein (AKAP)-mediated subcellular localization of PKA (PubMed: 25653177).
Tissue Location	Preferentially expressed in the neural tissues (PubMed:25653177).

Background

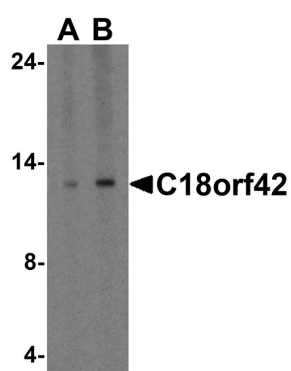
Little is known of the function of the protein encoded by Chromosome 18 open reading frame 18 (C18orf42),

but it is preferentially expressed in neuronal tissue (1). It is thought to bind to the cAMP-dependent protein kinase A (PKA) and regulation its interaction with members of the A-kinase anchoring protein (AKAP) family (1).

References

Fukuda M and Aizawa Y. Hypothetical gene C18orf42 encodes a novel protein kinase A-binding protein. *Genes Cells* 2015; 20:267-80.

Images



Western blot analysis of C18orf42 in HeLa cell lysate with C18orf42 antibody at 1 µg/ml.

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