

CCDC64 Rabbit pAb

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Catalog # AP55302

Product Information

Application	WB
Primary Accession	Q6ZP65
Reactivity	Human
Predicted	Rat, Pig, Mouse, Rabbit, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	64841
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CCDC64
Epitope Specificity	401-500/573
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	Cytoplasm; cytoskeleton; centrosome.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Component of secretory vesicle machinery in developing neurons that acts as a regulator of neurite outgrowth. Regulates the secretory vesicle transport by controlling the accumulation of Rab6-containing secretory vesicles in the pericentrosomal region restricting anterograde secretory transport during the early phase of neuronal differentiation, thereby inhibiting neuritogenesis.

Additional Information

Gene ID	92558
Other Names	BICD family-like cargo adapter 1, Bicaudal D-related protein 1, BICD-related protein 1, BICDR-1, Coiled-coil domain-containing protein 64A, CCDC64A, BICDL1, BICDR1, CCDC64
Dilution	WB=1:500-2000
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	BICDL1
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Synonyms

BICDR1, CCDC64

Function

Acts as an adapter protein linking the dynein motor complex to various cargos and converts dynein from a non-processive to a highly processive motor in the presence of dynactin. Facilitates the interaction between dynein and dynactin and activates dynein processivity (the ability to move along a microtubule for a long distance without falling off the track). Predominantly recruits 2 dyneins, which increases both the force and speed of the microtubule motor. Component of secretory vesicle machinery in developing neurons that acts as a regulator of neurite outgrowth. Regulates the secretory vesicle transport by controlling the accumulation of Rab6-containing secretory vesicles in the pericentrosomal region restricting anterograde secretory transport during the early phase of neuronal differentiation, thereby inhibiting neuritogenesis.

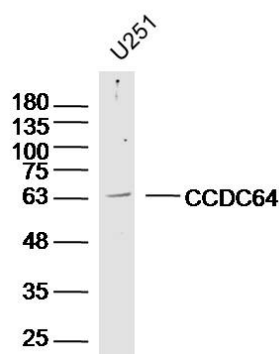
Cellular Location

Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:A0JNT9}. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome {ECO:0000250|UniProtKB:A0JNT9} Note=Localizes around the centrosome. {ECO:0000250|UniProtKB:A0JNT9}

Background

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Images



Sample: U251(human) Cell Lysate at 40 ug
Primary: Anti-CCDC64 (AP55302) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 65 kD
Observed band size: 63 kD

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