

For Research Use Only

CUL4B-Specific Polyclonal antibody

Catalog Number: 16184-1-AP

1 Publications



Basic Information

Catalog Number:

16184-1-AP

Size:

110 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_001079872

GeneID (NCBI):

8450

UNIPROT ID:

Q13620

Full Name:

cullin 4B

Calculated MW:

104 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human

Background Information

Cullin-RING ligases (CRLs) complexes participate in the regulation of diverse cellular processes, including cell cycle progression, transcription, signal transduction and development (PMID: 21816341)(PMID: 21554755). Serving as the scaffold protein, cullins are crucial for the assembly of ligase complexes, which recognize and target various substrates for proteosomal degradation. Two cullin 4 (CUL4) proteins, CUL4A (87 kDa) and CUL4B(104 kDa), are two members in cullin family with 83% of identity. Mutations in human CUL4B are one of the major causes of X-linked mental retardation. Cul4b knockout mice demonstrated that CUL4B is indispensable for embryonic development in the mouse (PMID: 22606329). Proteintech's CUL4B antibody 16184-1-AP is specifically against CUL4B but not CUL4A.

Notable Publications

Author	Pubmed ID	Journal	Application
Zhiwei Wang	26666832	Nat Commun	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data