

For Research Use Only

# CUL4B-Specific Polyclonal antibody



Catalog Number: 16184-1-AP

1 Publications

## Basic Information

<b>Catalog Number:</b> 16184-1-AP	<b>GenBank Accession Number:</b> NM_001079872	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 107 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 8450	
<b>Source:</b> Rabbit	<b>Full Name:</b> cullin 4B	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 104 kDa	

## 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

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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## Selected Validation Data