



Datasheet for ABIN3030579  
**anti-Cullin 4B antibody (C-Term)**



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3 Images

Overview

Quantity:	100 µg
Target:	Cullin 4B (CUL4B)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cullin 4B antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	An amino acid sequence from the C-terminus of human Cullin 4B (DRDYMERDKENPNQYNYIA) was used as the immunogen for this Cullin 4B antibody (100% homologous in human, mouse and rat).
Isotype:	IgG
Purification:	Antigen affinity

Target Details

Target:	Cullin 4B (CUL4B)
Alternative Name:	Cullin 4B ( <a href="#">CUL4B Products</a> )
Background:	Cullin 4B/CUL4B encodes a scaffold protein that organizes a cullin-RING(really interesting new gene) ubiquitin ligase(E3) complex in ubiquitylation. The CUL4 gene encodes a protein of 913

## Target Details

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amino acids. The cullin domain is located between amino acid residues 217 and 815 and is characterized by a C-terminal globular domain (cullin homology domain) and a series of N-terminal repeats (cullin repeats). Ohtake et al. (2007) characterized a fat-soluble ligand-dependent ubiquitin ligase complex in human cell lines, in which dioxin receptor (AhR) is integrated as a component of a novel cullin 4B ubiquitin ligase complex, CUL4B(AhR). Complex assembly and ubiquitin ligase activity of CUL4B(AhR) in vitro and in vivo are dependent on the AhR ligand. In the CUL4B(AhR) complex, ligand-activated AhR acts as a substrate-specific adaptor component that targets sex steroid receptors for degradation. Their findings uncover a function for AhR as an atypical component of the ubiquitin ligase complex and demonstrate a non-genomic signalling pathway in which fat-soluble ligands regulate target-protein-selective degradation through a ubiquitin ligase complex.

UniProt: [Q13620](#)

## Application Details

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Application Notes: The stated application concentrations are suggested starting amounts. Titration of the Cullin 4B antibody may be required due to differences in protocols and secondary/substrate sensitivity. Western blot: 0.5-1 µg/mL, IHC (Paraffin): 0.5-1 µg/mL

Restrictions: For Research Use only

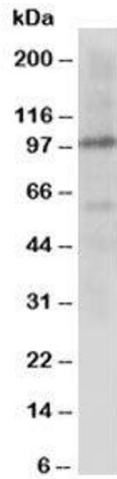
## Handling

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Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

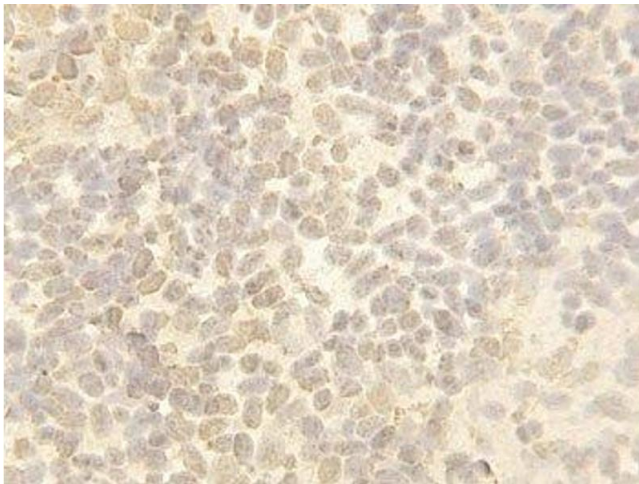
Storage: -20 °C

Storage Comment: After reconstitution, the Cullin 4B antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.



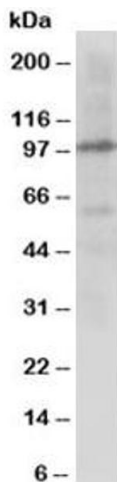
### Western Blotting

**Image 1.** Western blot testing of Cullin 4B antibody and rat lung tissue lysate



### Immunohistochemistry

**Image 2.** IHC-P: Cullin 4B antibody testing of Zebrafish Body tissue



### Western Blotting

**Image 3.** Western blot testing of Cullin 4B antibody and rat lung tissue lysate