

CUL2 Polyclonal Antibody

catalog number: E-AB-15575

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

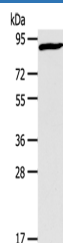
| | |
|---------------------|--|
| Reactivity | Human;Mouse |
| Immunogen | Synthetic peptide of human CUL2 |
| Host | Rabbit |
| Isotype | IgG |
| Purification | Affinity purification |
| Conjugation | Unconjugated |
| Buffer | Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol. |

Applications

Recommended Dilution

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| WB | 1:500-1:2000 |
|-----------|--------------|

Data



Western Blot analysis of PC3 cell using CUL2 Polyclonal
Antibody at dilution of 1:440
Calculated-MV:87 kDa

Preparation & Storage

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|-----------------|--|
| Storage | Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles. |
| Shipping | The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended. |

Background

Human CUL2 is an ortholog of nematode cul2. Michel and Xiong (1998) identified human CUL2 cDNAs and reported that the predicted protein is 745 amino acids long. Core component of multiple cullin-RING-based ECS (ElonginB/C-CUL2/5-SOCS-box protein) E3 ubiquitin-protein ligase complexes, which mediate the ubiquitination of target proteins. May serve as a rigid scaffold in the complex and may contribute to catalysis through positioning of the substrate and the ubiquitin-conjugating enzyme. The E3 ubiquitin-protein ligase activity of the complex is dependent on the neddylation of the cullin subunit and is inhibited by the association of the deneddylated cullin subunit with TIP120A/CAND1. By similarity. The functional specificity of the ECS complex depends on the substrate recognition component. ECS(VHL) mediates the ubiquitination of hypoxia-inducible factor (HIF).

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