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CUL2 Polyclonal Antibody

Cat #: G-AB-02729

Host: Rabbit **Reactivity:** Human, Mouse

Isotype: IgG **Clonality:** Polyclonal

Overview:
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, whicHuman, Mouseediate 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).

Gene ID:

Accession #: NP_003582

Immunogen: Synthetic peptide of human CUL2

Conjugation: Unconjugated

Swissprot: Q13617

Calculated Molecular Weight: 87 kDa

Observed Molecular Weight:

Concentration: 0.6 mg/mL

Buffer: PBS with 0.05% sodium azide and 50% glycerol, PH7.4

Purification Method: Affinity purification

Application: WB,ELISA

Dilution: WB 1:500-1:2000

Storage: Store at -20°C. Avoid freeze / thaw cycles.