

## Product datasheet for **TA347363**

### Cullin 2 (CUL2) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:500-1:3000
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-Cullin 2 Antibody: A synthesized peptide derived from human Cullin 2
Formulation:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20?. Stable for 12 months from date of receipt
Concentration:	lot specific
Purification:	Affinity-chromatography
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	82 kDa,84 kDa
Gene Name:	cullin 2
Database Link:	<a href="#">NP_003582</a> <a href="#">Entrez Gene 71745 Mouse</a> <a href="#">Entrez Gene 8453 Human</a> <a href="#">Q13617</a>



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**Background:**

CUL2 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. The functional specificity of the ECS complex depends on the substrate recognition component. ECS(VHL) mediates the ubiquitination of hypoxia-inducible factor (HIF).

**Synonyms:**

MGC131970

**Note:**

Cullin 2 antibody detects endogenous levels of total Cullin 2

**Protein Families:**

Druggable Genome

**Protein Pathways:**

Pathways in cancer, Renal cell carcinoma, Ubiquitin mediated proteolysis

**Product images:**