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Certificate of Analysis and Data Sheet

Rabbit anti Cullin1 (a.a. 766-776)

Catalog No.
MD-14-0201

Target Species
Human

Description:	Rabbit anti Cul1 (a.a. 766-776) Rabbit Antibody to Cullin 1 (Cul1), C-terminal (amino acids 766-776)
Specificity:	Reacts with human Cullin 1.
Host Animal:	Rabbit
Immunogen:	A synthetic peptide corresponding to amino acids 766-776 of Human Cul1 (C-terminus) coupled to KLH. Sequence: DGEKDTYSYLA
Format:	Neat, Liquid
Purification:	Delipidation and defibrination Product is sterile filtered.
Concentration:	Total Protein: 85mg/ml (Refractometry)
Buffer:	Not applicable
Preservative:	0.01% (w/v) Sodium Azide
Storage:	Upon receipt, aliquot and store at -20°C or below. Avoid multiple freeze/thaw cycles. Prepare working dilution only prior to immediate use.
Applications:	Suitable for use in ELISA (1:2,000 – 1:10,000) and Western blot (1:500 – 1:1,000). The antibody immunoprecipitates in vitro translated protein and protein from cell lysates (using HeLa or NIH-3T3). NOTE: Do not Immunoprecipitate in the presence of NP-40, but rather use 0.1% SDS. An 89.6 kDa band corresponding to human Cul1 is detected. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



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Applications

Table Summary of antibody applications and working conditions

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
ELISA	.			1:2,000 – 1:10,000
Western Blot	.			1:500 – 1:1,000
Immunohistology – frozen			.	
Immunohistology – paraffin			.	
Immunohistology - resin			.	
Immunoprecipitation			.	
Flow Cytometry			.	
Immunofluorescence staining			.	
IFA			.	

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.

(*) Assayed by immunoblot and found to be reactive against Cyclin E followed by reaction with Peroxidase conjugated Affinity Purified Goat anti-Rabbit IgG. Anti-Cyclin E is suitable for the detection by immunoblot of human, rat and mouse Cyclin E.

References:

The references listed below are for research purposes only.

1. Michel, J.J., et al., (1998), "Human CUL-1, but not other cullin family members, selectively interacts with SKP1 to form a complex with SKP2 and cyclin A", Cell Growth Differ., **9** (6), 435-449.
2. Kipreos, E. T., et al., (1996), "cul-1 is required for cell cycle exit in C. elegans and identifies a novel gene family", Cell, **85** (6), 829-839.
3. Ohta, T., et al., (1999), "ROC1, a homolog of APC11, represents a family of cullin partners with an associated ubiquitin ligase activity", Mol. Cell., **3** (4), 535-541.
4. Mathias, N., et al., (1996), "Cdc53p acts in concert with Cdc4p and Cdc34p to control the G1-to-S-phase transition and identifies a conserved family of proteins", Mol. Cell Biol., **16**:12, 6634-6643.

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