

Product Name: KD-Validated Cullin 1 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVA00172

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 89.7kDa

Antigen Information

Gene Name	CUL1
Alternative Names	CUL1; Cullin 1; Cullin-1; CUL-1
Gene ID	8454.0
SwissProt ID	Q13616
Immunogen	A synthesized peptide derived from human Cullin 1

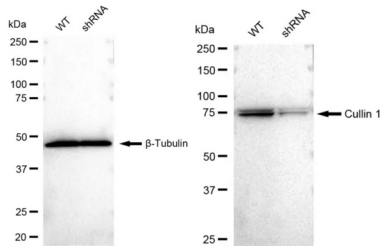
Background

Enables ubiquitin ligase complex scaffold activity and ubiquitin protein ligase binding activity. Involved in SCF-dependent proteasomal ubiquitin-dependent protein catabolic process; positive regulation of canonical NF-kappaB signal transduction; and protein K48-linked ubiquitination. Located in plasma membrane. Part of Parkin-FBXW7-Cul1 ubiquitin ligase complex and SCF ubiquitin ligase complex. [provided by Alliance of Genome Resources, Jul 2025]

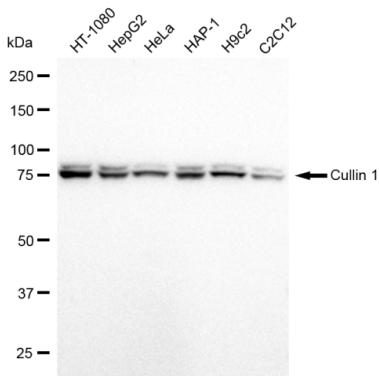
Research Area

Cell Biology,Cancer

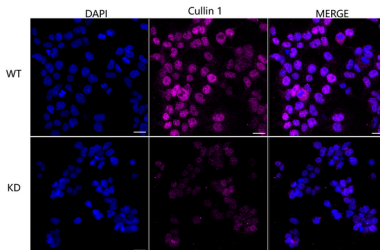
Image Data



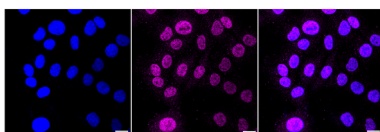
Western blotting analysis using Cullin 1 antibody (KVA00172). Cullin 1 expression in wild type (WT) and Cullin 1 shRNA knockdown (KD) 293T cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with Cullin 1 antibody (KVA00172, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



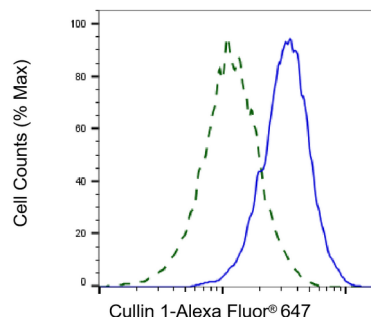
Western blotting analysis using Cullin 1 antibody (KVA00172). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Cullin 1 antibody (KVA00172, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



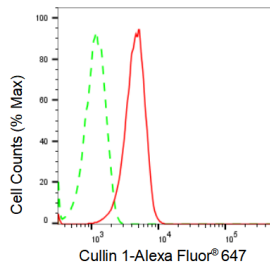
Immunocytochemical staining of 293T cells using Cullin 1 antibody (KVA00172, 1:1,000), Top panel: wild-type (WT); Bottom panel: Cullin 1 shRNA knockdown (KD). Nuclei were stained blue with DAPI; Cullin 1 was stained magenta with Alexa Fluor® 647. Scale bar, 20 µm.



Immunocytochemical staining of HT-1080 cells with Cullin 1 antibody (KVA00172, 1:1,000). Nuclei were stained blue with DAPI; Cullin 1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.



Validation of Cullin 1 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) 293T cells were stained with Cullin 1 antibody (KVA00172, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of Cullin 1 expression in HepG2 cells using Cullin 1 antibody (KVA00172, 1:2,000). Green, isotype control; red, Cullin 1.