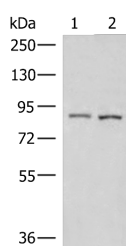


CUL4A Polyclonal Antibody

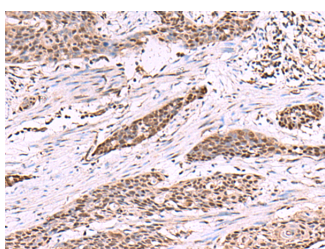
Catalog No.	E-AB-19279	Reactivity	H,M
Storage	Store at -20°C. Avoid freeze / thaw cycles.	Host	Rabbit
Applications	WB,IHC,ELISA	Isotype	IgG

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

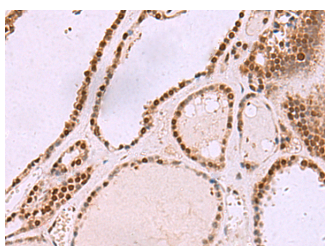
Images



Western blot analysis of 231 and HepG2 cell lysates using CUL4A Polyclonal Antibody at dilution of 1:600



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using CUL4A Polyclonal Antibody at dilution of 1:55(x200)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using CUL4A Polyclonal Antibody at dilution of 1:55(x200)

Immunogen Information

Immunogen	Synthetic peptide of human CUL4A
Gene Accession	NP001008895
Swissprot	Q13619
Synonyms	2810470J21Rik,AW495282,CUL4A,CUL-4A,Cul4a,Cul4a protein,CUL4A,Cullin-4A,MGC36573,MGC64071

Product Information

Calculated MW	88 kDa
Observed MW	Refer to figures
Buffer	PBS with 0.05% NaN ₃ and 40% Glycerol,pH7.4
Purify	Antigen affinity purification
Dilution	WB 1:500-1:2000, IHC 1:50-1:300, ELISA 1:5000-1:10000

Background

Cullin proteins assemble a large number of RING E3 ubiquitin ligases, participating in the proteolysis through the ubiquitin-proteasome pathway. Two cullin 4 (CUL4) proteins, CUL4A (87 kDa) and CUL4B (104 kDa), have been identified. The two CUL4 sequences are 83% identical. They target certain proteins for degradation by binding protein DDB1 to form a CUL4-DDB1 ubiquitin ligase complex with DDB. They form two individual E3 ligases, DDB1-CUL4A and DDB1-CUL4B in this process. CUL4A appeared in both the nucleus and the cytosol, suggesting a more complex mechanism for entering the nucleus. CUL4B is localized in the nucleus and facilitates the transfer of DDB1 into the nucleus independently of DDB2.

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Applications: WB-Western Blot IHC-Immunohistochemistry IF-Immunofluorescence IP-Immunoprecipitation FC-Flow cytometry ChIP-Chromatin Immunoprecipitation Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish X-Xenopus C-Cow.