CUL4A Polyclonal Antibody

Catalog Number:E-AB-19279

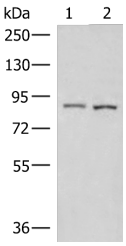
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity	Human, Mouse
Immunogen	Synthetic peptide of human CUL4A
Host	Rabbit
Isotype	IgG
Purification	Antigen affinity purification
Conjugation	Unconjugated
Formulation	PBS with 0.05% NaN3 and 40% Glycerol,pH7.4

Applications	Recommended Dilution
WB	1:500-1:2000
IHC	1:50-1:300
ELISA	1:5000-1:10000

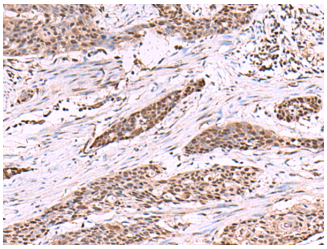
Data



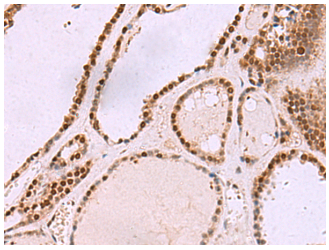
Western blot analysis of 231 and HepG2 cell lysates using CUL4A Polyclonal Antibody at dilution of 1:600

Observed MW:Refer to figures

Calculated Mw:88 kDa



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using CUL4A Polyclonal Antibody at dilution of 1:55(×200)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using CUL4A Polyclonal Antibody at dilution of 1:55(×200)

Preparation & Storage

Storage	Store at -20℃. Avoid freeze / thaw cycles.

Background

For Research Use Only

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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-CUL4ADDB2 and DDB1-CUL4BDDB2 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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