CUL4A Polyclonal Antibody

catalog number: **E-AB-19279**

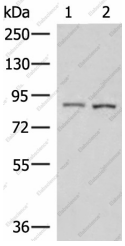
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse
Immunogen	Synthetic peptide of human CUL4A
Host	Rabbit
Isotype	Rabbit IgG
Purification	Antigen affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.

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

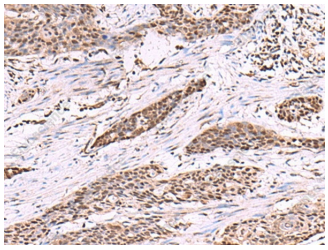
Data



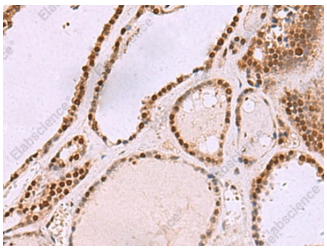
Western blot analysis of 231 and HepG2 cell lysates using CUL4A Polyclonal Antibody at dilution of 1:600

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°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended.

Background

Toll-free: 1-888-852-8623
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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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