

产品名称: CUL-3 Rabbit Polyclonal Antibody

产品货号: APRab09533

产品概述 (Summary)

描述(Description)	Rabbit polyclonal Antibody
宿主(Host)	Rabbit
应用(Application)	WB,IHC,ICC/IF,ELISA
种属反应(Reactivity)	Human,Mouse
偶联物(Conjugation)	Unconjugated
修饰(Modification)	Unmodified
同种型(Isotype)	IgG
克隆(Clonality)	Polyclonal
剂型(Form)	Liquid
保存条件(Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液(Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化 (Purification)	Affinity purification

产品应用(Application)

稀释比(Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:10000
分子量(Molecular Weight)	90kDa

抗原信息(Antigen Information)

基因名(Gene Name)	CUL3
别名(Alternative Names)	CUL3; KIAA0617; Cullin-3; CUL-3
基因 ID(Gene ID)	8452.0
SwissProt ID	Q13618
免疫原(Immunogen)	The antiserum was produced against synthesized peptide derived from human Cullin 3. AA range:1-50

研究背景 (Background)

This gene encodes a member of the cullin protein family. The encoded protein plays a critical role in the polyubiquitination and subsequent degradation of specific protein substrates as the core component and scaffold protein of an E3 ubiquitin ligase

complex. Complexes including the encoded protein may also play a role in late endosome maturation. Mutations in this gene are a cause of type 2E pseudohypoaldosteronism. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Mar 2012],function:Core component of multiple cullin-RING-based BCR (BTB-CUL3-RBX1) E3 ubiquitin-protein ligase complexes which mediate the ubiquitination and subsequent proteasomal degradation of target proteins. As a scaffold protein may contribute to catalysis through positioning of the substrate and the ubiquitin-conjugating enzyme. The E3 ubiquitin-protein ligase activity of the complex is dependent on the neddylation of the cullin subunit and is inhibited by the association of the deneddylated cullin subunit with TIP120A/CAND1 (By similarity). The functional specificity of the BCR complex depends on the BTB domain-containing protein as the substrate recognition component. BCR(SPOP) is involved in ubiquitination of BMI1/PCGF4, H2AFY and DAXX, and probably GLI2 or GLI3. BCR(KLHL9-KLHL13) controls the dynamic behavior of AURKB on mitotic chromosomes and thereby coordinates faithful mitotic progression and completion of cytokinesis. Involved in ubiquitination of cyclin E and of cyclin D1 (in vitro) thus involved in regulation of G1/S transition.,pathway:Protein modification; protein ubiquitination.,PTM:Neddylation. Attachment of NEDD8 is required for the E3 ubiquitin-protein ligase activity of the BCR complex. Deneddylation via its interaction with the COP9 signalosome (CSN) complex.,similarity:Belongs to the cullin family.,subunit:Forms neddylation-dependent homodimers. Component of multiple BCR (BTB-CUL3-RBX1) E3 ubiquitin-protein ligase complexes formed of CUL3, RBX1 and a variable BTB domain-containing protein acting as both, adapter to cullin and substrate recognition subunit. The BCR complex may be active as a heterodimeric complex, in which NEDD8, covalently attached to one CUL3 molecule, binds to the C-terminus of a second CUL3 molecule. Interacts with RBX1, RNF7, CYCE and TIP120A/CAND1. Part of the BCR(SPOP) containing SPOP. Part of the probable BCR(KLHL9-KLHL13) complex with BTB domain proteins KLHL9 and KLHL13. Part of the BCR(KBTBD10) complex containing KBTBD10. Part of the BCR(ENC1) complex containing ENC1. Part of a complex consisting of BMI1/PCGF4, CUL3 and SPOP. Part of a complex consisting of H2AFY, CUL3 and SPOP. Interacts with KLHL9, KLHL13, GAN, ZBTB16, KLHL21, KLHL3, KLHL15, KLHL20, C16orf44, GMCL1L, BTBD1. Part of a complex that contains CUL3, RBX1 and GAN.,tissue specificity:Widely expressed.,

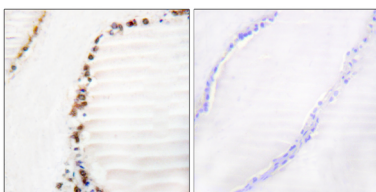
研究领域 (Research Area)

Ubiquitin mediated proteolysis;

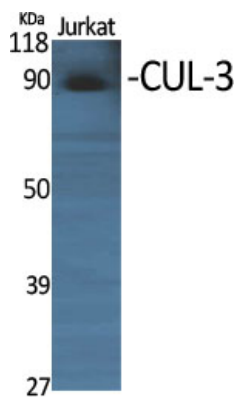
注意事项 (Note)

For research use only.

图片 (Image Data)



Immunohistochemistry analysis of paraffin-embedded human thyroid gland tissue, using Cullin 3 Antibody. The picture on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using CUL-3 Polyclonal Antibody diluted at 1:1000

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产品类别	产品货号	产品名称
WB 解决方案	RA10020	2h 极速 WB 即用型全流程试剂盒
	RA10021	4h 快速 WB 即用型全流程试剂盒
	RA10042	5h 畅享版 WB 全流程试剂盒
	RA10037	校准级彩色预染蛋白 Marker (8-180kDa)
	RA10038	校准级彩色预染蛋白 Marker (10-250kDa)
	RA10039	校准级高分子彩色预染蛋白 Marker (25-400kDa)
TSA 多重荧光染色试剂盒	RA10008	TSA 双标三色多重荧光染色试剂盒 (mIHC)
	RA10009	TSA 三标四色多重荧光染色试剂盒 (mIHC)
	RA10010	TSA 四标五色多重荧光染色试剂盒 (mIHC)
	RA10011	TSA 五标六色多重荧光染色试剂盒 (mIHC)
	RA10012	TSA 六标七色多重荧光染色试剂盒 (mIHC)
IHC 检测试剂盒	RA10006	HRP Anti-Mouse/Rabbit IHC Detection System
	RA10007	Polymer-HRP Anti-Mouse/Rabbit IHC Detection System
抗体标记试剂盒	RE80004p	辣根过氧化物酶(HRP)抗体标记试剂盒
	RE80002q	Sulfo-NHS-生物素标记试剂盒
	RE80007p	Cy3 荧光素标记试剂盒
	RE80011p	Fluor488 荧光素标记试剂盒
	RE80017p	Fluor750 荧光素标记试剂盒
	RE80005p	藻红蛋白(R-PE) 抗体快速标记试剂盒
	RE80040	PE-Cy7 串联染料抗体快速标记试剂盒
稳转细胞系构建服务 (免费赠送全膜 WB 验证)	TS-0001	过表达稳转细胞系构建
	TS-0002	敲低稳转细胞系构建
	TS-0003	敲除细胞系构建

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