

CUL5 polyclonal antibody

Catalog # PAB10039 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining with CUL5 polyclonal antibody (Cat # PAB10039) was diluted 1 : 500 to detect CUL5 in human kidney tissue. Tissue was formalin fixed and paraffin embedded. No pre-treatment of sample was required. The image shows the localization of antibody as the precipitated red signal, with a hematoxylin purple nuclear counter stain.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of CUL5.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to amino acids 4-18 of human CUL5.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:2000-1:10000) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In antiserum (0.01% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — CUL5

Entrez GeneID	8065
Protein Accession#	AAR13072
Gene Name	CUL5
Gene Alias	VACM-1, VACM1
Gene Description	cullin 5
Omim ID	601741
Gene Ontology	Hyperlink
Other Designations	Cullin-5 (vasopressin-activated calcium-mobilizing receptor-1) Vasopressin-activated calcium-mobilizing receptor-1

Publication Reference

- [Induction of APOBEC3G ubiquitination and degradation by an HIV-1 Vif-Cul5-SCF complex.](#)

Yu X, Yu Y, Liu B, Luo K, Kong W, Mao P, Yu XF.

Science 2003 Nov; 302(5647):1056.

Application: EWB-Tr, Human, H9, 293T cells

- [Degradation of p53 by adenovirus E4orf6 and E1B55K proteins occurs via a novel mechanism involving a Cullin-containing complex.](#)

Querido E, Blanchette P, Yan Q, Kamura T, Morrison M, Boivin D, Kaelin WG, Conaway RC, Conaway JW, Branton PE.
Genes & Development 2001 Dec; 15(23):3104.

Application: WB-Tr, Human, H1299 cells

- [ROC1, a homolog of APC11, represents a family of cullin partners with an associated ubiquitin ligase activity.](#)

Ohta T, Michel JJ, Schottelius AJ, Xiong Y.

Molecular Cell 1999 Apr; 3(4):535.

- [Human CUL-1, but not other cullin family members, selectively interacts with SKP1 to form a complex with SKP2 and cyclin A.](#)

Michel JJ, Xiong Y.

Cell Growth & Differentiation: the Molecular Biology Journal of the American Association for Cancer 1998 Jun; 9(6):435.

- [Cdc53p acts in concert with Cdc4p and Cdc34p to control the G1-to-S-phase transition and identifies a conserved family of proteins.](#)

Mathias N, Johnson SL, Winey M, Adams AE, Goetsch L, Pringle JR, Byers B, Goehl MG.

Molecular and Cellular Biology 1996 Dec; 16(12):6634.

Application: WB, Yeast, Yeast cells

Pathway

- [Ubiquitin mediated proteolysis](#)

Disease

- [HIV Infections](#)