

Rabbit CUL5 Polyclonal Antibody | anti-CUL5 antibody

CUL5 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327007	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

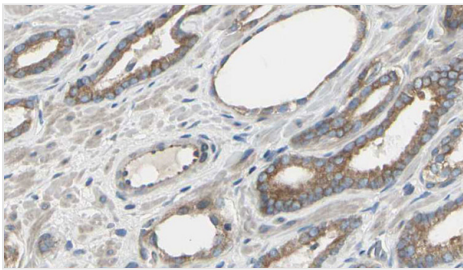
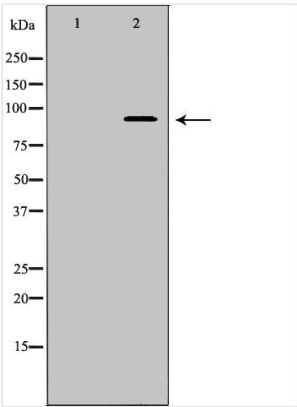
PRODUCT SYNONYMS

CUL5; Polyclonal Antibody; CUL5 Antibody; CUL 5; CUL-5; CUL5_HUMAN; Cullin-5 (vasopressin-activated calcium-mobilizing receptor-1); Cullin-5; Cullin5; VACM 1; VACM-1; VACM1; Vasopressin activated calcium mobilizing receptor 1; Vasopressin activated calcium mobilizing receptor; Vasopressin-activated calcium-mobilizing receptor 1; Vasopressin-activated calcium-mobilizing receptor-1; anti-CUL5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CUL5 antibody detects endogenous levels of total CUL5
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	780
Applicable Applications for anti-CUL5 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CUL5
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA327007 at 1/100 staining Human prostate tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

WB (Western Blot)
Western blot analysis of 293T whole cell lysates, using CUL5 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-CUL5 antibody

Function: Core component of multiple SCF-like ECS (Elongin-Cullin 2/5-SOCS-box protein) 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 functional specificity of the E3 ubiquitin-protein ligase complex depends on the variable substrate recognition component. ECS(SOCS1) seems to direct ubiquitination of JAK2. Seems to be involved in proteasomal degradation of p53/TP53 stimulated by adenovirus E1B-55 kDa protein. May form a cell surface vasopressin receptor.

Post-translational Modifications: Neddylated; which enhances the ubiquitination activity of SCF and prevents binding of the inhibitor CAND1. Deneddylated via its interaction with the COP9 signalosome (CSN).

Similarity: Belongs to the cullin family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	40254446
NCBI GeneID	8065
NCBI Accession #	NP_003469.2
NCBI GenBank Nucleotide #	NM_003478.4
UniProt Accession #	Q93034; O14766; Q9BZC6; A8K960
Molecular Weight	Observed: 91 kDa Predicted: 91 kDa
NCBI Official Full Name	cullin-5
NCBI Official Synonym Full Names	cullin 5
NCBI Official Symbol	CUL5
NCBI Official Synonym Symbols	CUL-5; VACM1; VACM-1
NCBI Protein Information	cullin-5
UniProt Protein Name	Cullin-5
UniProt Gene Name	CUL5
UniProt Synonym Gene Names	VACM1; CUL-5; VACM-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cul5-antibody-immunohistochemistry-western-blot-elisa/327007>