Rabbit CUL5 Polyclonal Antibody | anti-CUL5 antibody

CUL5 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289144	**Rabbit**	**Human (Predicted Reactivity: Rabbit)**	**Immunohistochemistry, Flow Cytometry, Functional Assay, ELISA, Western Blot**

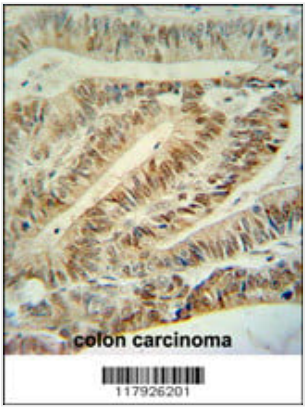
PRODUCT SYNONYMS

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

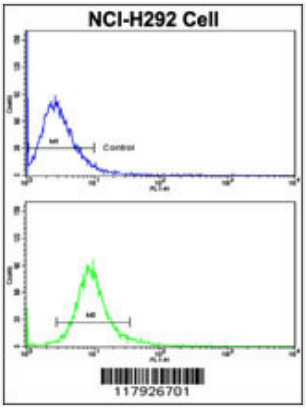
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Rabbit)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CUL5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 747-774 amino acids from the C-terminal region of human CUL5.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	747-774
Sequence Length	780
Applicable Applications for anti-CUL5 antibody	IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

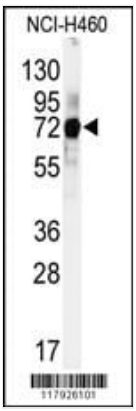
IMAGES



IHC (Immunohistochemisry)
CUL5 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human colon carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the CUL5 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



FCM/FACS (Flow Cytometry)
Flow cytometric analysis of NCI-H292 cells using CUL5 Antibody (C-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
Western blot analysis of anti-CUL5 Antibody (C-term) in Hela cell line lysates (35ug/lane). CUL5 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-CUL5 antibody	CUL5 is a 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. It seems to be involved poteosomal degradation of p53/TP53 stimulated by adenovirus E1B-55 kDa protein and may form a cell surface vasopressin receptor.
Product Categories/Family for anti-CUL5 antibody	Cell Biology
References	Kamura T., Burian D., Yan Q.J. Biol. Chem. 276:29748-29753(2001) Mehle A., Goncalves J., Santa-Marta M.Genes Dev. 18:2861-2866(2004) Kamura T., Maenaka K., Kotoshiba S.Genes Dev. 18:3055-3065(2004)

NCBI AND UNIPROT INFORMATION

NCBI GI #	40254446
NCBI GeneID	8065
NCBI Accession #	NP_003469.2

NCBI GenBank Nucleotide #	NM_003478.3
UniProt Accession #	Q93034; O14766; Q9BZC6; A8K960
Molecular Weight	90955
NCBI Official Full Name	cullin-5
NCBI Official Synonym Full Names	cullin 5
NCBI Official Symbol	CUL5
NCBI Official Synonym Symbols	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
UniProt Entry Name	CUL5_HUMAN

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-flow-cytometry-western-blot-elisa/289144