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Rabbit Anti-Cullin 5 antibody

SL10059R

Product Name:	Cullin 5
Chinese Name:	血管加压素激活钙启动受体蛋白1抗体
Alias:	CUL 5; CUL-5; CUL5; CUL5_HUMAN; 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.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,Horse,Rabbit,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	86kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Cullin 5:701-780/780
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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 poteosomal degradation of p53/TP53 stimulated by adenovirus E1B-55 kDa protein. May form a cell surface vasopressin receptor. **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 poteosomal degradation of p53/TP53 stimulated by adenovirus E1B-55 kDa protein. May form a cell surface vasopressin receptor. **Subunit:** Component of multiple ECS (Elongin BC-CUL2/5-SOCS-box protein) E3 ubiquitin-protein ligase complexes formed of CUL5, Elongin BC (TCEB1 and TCEB2), RBX2 and a variable SOCS box domain-containing protein as substrate-specific recognition component. Component of the probable ECS(LRRC41) complex with the substrate recognition component LRRC41. Component of the probable ECS(SOCS1) complex with the substrate recognition component SOCS1. Component of the probable ECS(WSB1) complex with the substrate recognition subunit WSB1. Component of the probable ECS(SOCS3) complex with the substrate recognition component SOCS3. Component of the probable ECS(SPSB1) complex with the substrate recognition component SPSB1. Component of the probable ECS(SPSB2) complex with the substrate recognition component SPSB2. Component of the probable ECS(SPSB4) complex with the substrate recognition component SPSB4. Component of the probable ECS(RAB40C) complex with the substrate recognition subunit RAB40C. May also form complexes containing CUL5, elongin BC complex (TCEB1 and TCEB2), RBX1 and TCEB3. May also form complexes containing CUL5, Elongin BC (TCEB1 and TCEB2), RBX1 and VHL. The substrate recognition component can also be a viral protein such as HIV Vif, or human adenovirus 5 E1B large T-antigen and E4-orf6. Interacts with RNF7/RBX2, LRRC41, SOCS3, SPSB1, SPSB2, SPSB4 and RAB40C. Interacts with ASB1, ASB2, ASB6, ASB7 and ASB12. **Post-translational modifications:** Neddylated. Deneddylated via its interaction with the COP9 signalosome (CSN) complex. **Similarity:** Belongs to the cullin family. **SWISS:** Q93034 **Gene ID:**

	8065 **Database links:** Entrez Gene: 8065 Human Entrez Gene: 75717 Mouse Entrez Gene: 64624 Rat Omim: 601741 Human SwissProt: Q93034 Human SwissProt: Q9D5V5 Mouse SwissProt: Q9JJ31 Rat Unigene: 440320 Human Unigene: 218910 Mouse Unigene: 482399 Mouse Unigene: 163001 Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.