

Rabbit anti-Human, Mouse CUL-3 Polyclonal Antibody | anti-CUL-3 antibody

CUL-3 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA294581	Rabbit	Human, Mouse	Immunohistochemistry, Western Blot

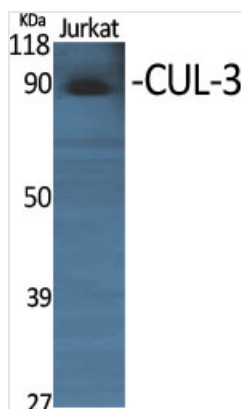
PRODUCT SYNONYMS

CUL-3; Polyclonal Antibody; CUL-3 Polyclonal Antibody; CUL3; KIAA0617; Cullin-3; anti-CUL-3 antibody

PRODUCT SPECIFICATIONS

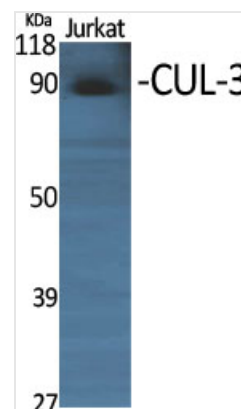
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Applicable Applications for anti-CUL-3 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

Dilution: Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.



IHC (Immunohistochemistry)

Dilution: Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.

ADDITIONAL INFORMATION

Related Product Information for anti-CUL-3 antibody	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. BCR complexes and ARIH1 collaborate in tandem to mediate ubiquitination of target proteins (PubMed:27716508). BCR (KLHL3) acts as a regulator of ion transport in the distal nephron; by mediating ubiquitination of WNK4 (PubMed:23453970, PubMed:23576762). The BCR (KLHL20) E3 ubiquitin ligase complex is involved in interferon response and anterograde Golgi to endosome transport: it mediates both ubiquitination leading to degradation and 'Lys-33'-linked ubiquitination (PubMed:21840486, PubMed:21670212, PubMed:24768539). The BCR (KLHL21) E3 ubiquitin ligase complex regulates localization of the chromosomal passenger complex (CPC) from chromosomes to the spindle midzone in anaphase and mediates the ubiquitination of AURKB (PubMed:19995937). The BCR (KLHL22) ubiquitin ligase complex mediates monoubiquitination of PLK1, leading to PLK1 dissociation from phosphoreceptor proteins and subsequent removal from kinetochores, allowing silencing of the spindle assembly checkpoint (SAC) and chromosome segregation (PubMed:23455478). The BCR (KLHL22) ubiquitin ligase complex is also responsible for the amino acid-stimulated 'Lys-48' polyubiquitination and proteasomal degradation of DEPDC5. Through the degradation of DEPDC5, releases the GATOR1 complex-mediated inhibition of the TORC1 pathway (PubMed:29769719). The BCR (KLHL25) ubiquitin ligase complex is involved in translational homeostasis by mediating ubiquitination and subsequent degradation of hypophosphorylated EIF4EBP1 (4E-BP1)(PubMed:22578813). The BCR (KBTBD8) complex acts by mediating monoubiquitination of NOLC1 and TCOF1, leading to remodel the translational program of differentiating cells in favor of neural crest specification (PubMed:26399832). Involved in ubiquitination of cyclin E and of cyclin D1 (in vitro) thus involved in regulation of G1/S transition. Involved in the ubiquitination of KEAP1, ENC1 and KLHL41. In concert with ATF2 and RBX1, promotes degradation of KAT5 thereby attenuating its ability to acetylate and activate ATM. The BCR (KCTD17) E3 ubiquitin ligase complex mediates ubiquitination and degradation of TCHP, a down-regulator of cilium assembly, thereby inducing ciliogenesis (PubMed:25270598). The BCR (KLHL24) E3 ubiquitin ligase complex mediates ubiquitination of KRT14, controls KRT14 levels during keratinocytes differentiation, and is essential for skin integrity (PubMed:27798626).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	12643396
NCBI GeneID	8452
UniProt Accession #	Q13618; O75415; Q569L3; Q9UBI8; Q9UET7; A8K536; B8ZZC3
Molecular Weight	768
NCBI Official Full Name	Cullin-3
NCBI Official Synonym Full Names	cullin 3
NCBI Official Symbol	CUL3
NCBI Official Synonym Symbols	CUL-3; PHA2E
NCBI Protein Information	cullin-3
UniProt Protein Name	Cullin-3
UniProt Gene Name	CUL3
UniProt Synonym Gene Names	KIAA0617; CUL-3
UniProt Entry Name	CUL3_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.