

Rabbit anti-Human, Mouse Cullin-3 Polyclonal Antibody | anti-CUL3 antibody

Cullin-3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA312103	Rabbit	Human, Mouse	Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

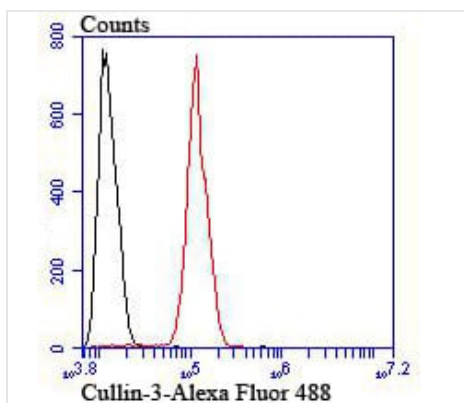
PRODUCT SYNONYMS

Cullin-3; Polyclonal Antibody; Cullin-3 Antibody; CUL 3 antibody; Cul-3 antibody; cul3 antibody; CUL3_HUMAN antibody; Cullin-3 antibody; Cullin3 antibody; KIAA0617 antibody; PHA2E antibody; anti-CUL3 antibody

PRODUCT SPECIFICATIONS

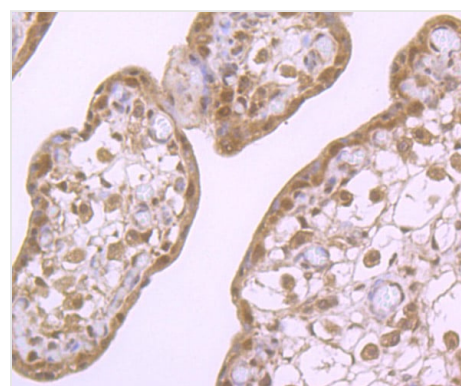
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Peptide affinity purified
Form/Format	1*TBS (pH7.4), 0.5%BSA, 50%Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-CUL3 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Peptide.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



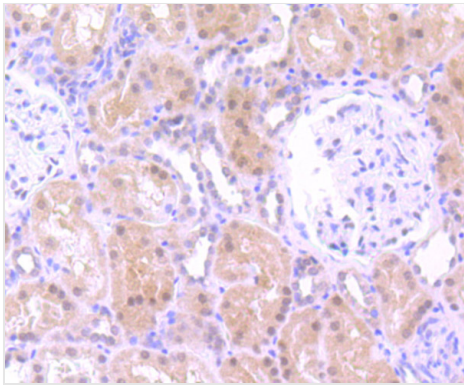
FCM/FACS (Flow Cytometry)

Flow cytometric analysis of SH-SY5Y cells with Cullin 3 antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti-rabbit IgG was used as the secondary antibody.



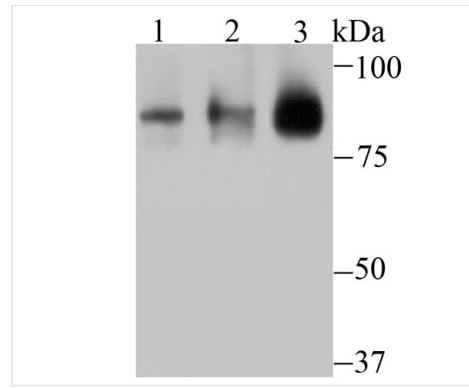
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human placenta tissue using anti-Cullin-3 antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-Cullin-3 antibody. Counter stained with hematoxylin.



WB (Western Blot)

Western blot analysis of Cullin 3 on different lysates using anti-Cullin 3 antibody at 1/1, 000 dilution. Positive control $\frac{1}{2}$ $\frac{1}{2}$ Lane1: SH-SY5Y Lane2: 293T Lane3: Mouse testis tissue

ADDITIONAL INFORMATION

Related Product Information for anti-CUL3 antibody

Cullin proteins comprise a distinct family of mediators that participate in the selective targeting of proteins for ubiquitin (Ub)-mediated proteolysis. CUL-1, which is the mammalian homolog of yeast Cdc53, is an integral component of the E3 ubiquitin ligase complex designated SCF. The SCF (Skp1/CUL-1/F-box protein complex) consists of Skp1 associating with both CUL-1 and an F-box protein, such as Skp2, which determines the substrate specificity of the complex. CUL-1-mediated ubiquitination results in the degradation of cell cycle proteins cyclin D, p21 and cyclin E. Another cullin, CUL-3, facilitates the degradation of cyclin E independent of SCF activity, while CUL-2 associates with the tumor suppressing protein VHL and elongin B to form VBC complexes, which structurally resemble the SCF ligase. Proteolysis also occurs by way of CUL-4 associating with Nedd-8, a ubiquitin-like protein, where it too functions as an active component of a multifunctional E3 complex. CUL-5, also designated vasopressin-activated, calcium-mobilizing protein (VACM-1), is also included in the cullin family as it shares substantial sequence homology with CUL-1.

Product Categories/Family for anti-CUL3 antibody

[Total protein Ab](#)

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.

