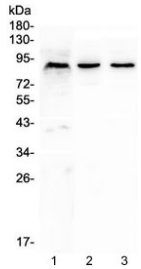
CUL2 Antibody / Cullin 2 (RQ4558)

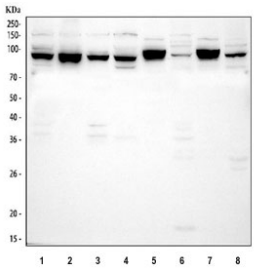
Catalog No.	Formulation	Size
RQ4558	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

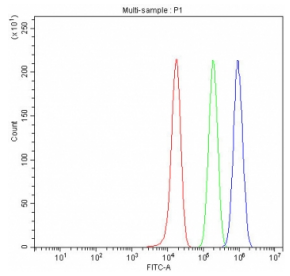
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q13617
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml (recombinant human protein)
Limitations	This CUL2 antibody is available for research use only.



Western blot testing of 1) human K562, 2) rat brain and 3) mouse brain lysate with CUL2 antibody at 0.5ug/ml. Predicted molecular weight: ~87 kDa.



Western blot testing of 1) human HeLa, 2) human PC-3, 3) human 293T, 4) human Raji, 5) rat brain, 6) rat RH35, 7) mouse brain and 8) mouse NIH 3T3 cell lysate with CUL2 antibody. Predicted molecular weight: ~87 kDa.



Flow cytometry testing of fixed and permeabilized human PC-3 cells with CUL2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= CUL2 antibody.

Description

Cullin 2 (CUL2) is a protein that in humans is encoded by the CUL2 gene. Using immunofluorescence, it is showed that CUL2 is a cytosolic protein that can be translocated to the nucleus by VHL. By fluorescence in situ hybridization, this gene is mapped to 10p11.2-p11.1, a region reported to show loss of heterozygosity (LOH) in several forms of human cancer, including non-clear cell renal cell carcinoma. CUL2 may serve as a rigid scaffold in the complex and may contribute to catalysis through positioning of the substrate and the ubiquitin-conjugating enzyme.

Application Notes

Optimal dilution of the CUL2 antibody should be determined by the researcher.

Immunogen

Amino acids E389-A745 from the human protein were used as the immunogen for the CUL2 antibody.

Storage

After reconstitution, the CUL2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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