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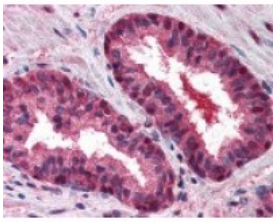
ProSci Incorporated
12170 Flint Place
Poway, CA 92064

Toll Free: +1 (888) 513 9525
Local: +1 (858) 513 2638
Fax: +1 (858) 513 2692

techsupport@prosci-inc.com

Cullin 2 Antibody

CATALOG NUMBER: 49-413



Immunohistochemistry staining of Cullin 2 in prostate tissue using Cullin 2 Antibody.

Specifications

SPECIES REACTIVITY:	Human
TESTED APPLICATIONS:	ELISA, IHC, IP, WB
APPLICATIONS:	Cullin 2 antibody can be used in ELISA starting at 1:000 - 1:1000, and immunohistochemistry starting at 10 ug/mL.
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
IMMUNOGEN:	Cullin 2 antibody was raised against amino acids 733-745 of Cullin 2 (Human).
HOST SPECIES:	Rabbit

Properties

PURIFICATION:	Delipidation and Defibrination
PHYSICAL STATE:	Liquid
BUFFER:	0.01% sodium azide.
STORAGE CONDITIONS:	Store Cullin 2 antibody at 4 ˚C or -20 ˚C. As with all antibodies avoid freeze/thaw cycles.
CLONALITY:	Polyclonal
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	CUL2, Cullin homolog 2, CUL-2, Cullin 2, Cullin-2
ACCESSION NO.:	Q13617
PROTEIN GI NO.:	19863260
OFFICIAL SYMBOL:	CUL2
GENE ID:	8453

Background

BACKGROUND:	Cullins assemble a potentially large number of ubiquitin ligases by binding to the RING protein ROC1 to catalyse polyubiquitination, as well as binding to various specificity factors to recruit substrates. Cullin 2 is an essential component of the SCF (SKP1-CUL1-F-box protein) E3 ubiquitin ligase complex, which mediates the

	ubiquitination of proteins involved in cell cycle progression, signal transduction and transcription. In the SCF complex, cul2 serves as a rigid scaffold that organizes the SKP1-F-box protein and RBX1 subunits. Cul2 may also contribute to catalysis through positioning of the substrate and the ubiquitin-conjugating enzyme. Cul2 is part of the SCF complex consisting of CUL1, RBX1, SKP1 and SKP2, where it interacts directly with SKP1, SKP2 and RBX1. Cul2 also interacts with RNF7 and is part of a complex with TIP120A/CAND1 and RBX1. The unneddylated form interacts with TIP120A/CAND1 and the interaction negatively regulates the association with SKP1 in the SCF complex.

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