

Anti-SMC3 Antibody

Catalog Number: A01930

About SMC3

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 5 is a component of E3 ubiquitin ligase complexes, which mediate the ubiquitination and subsequent proteasomal degradation of target proteins. Cullin 5 seems to be involved proteasomal degradation of p53/TP53 stimulated by adenovirus E1B-55 kDa protein. Cullin 5 may form a cell surface vasopressin receptor. Cullin 5 is part of a E3 ubiquitin ligase complex with elongin BC complex (TCEB1 and TCEB2), RBX1 and MUF1, complexes with elongin BC complex (TCEB1 and TCEB2), RXB1 and TCEB3 or SOCS1 or WSB1; elongin BC complex (TCEB1 and TCEB2), RBX1 and VHL; elongin BC complex (TCEB1 and TCEB2), RBX1, adenovirus type 5 E1B-55kDa protein and adenovirus type 5 E4-orf6. Cullin 5 Interacts with RBX1 and RNF7.

Overview

Product Name	Anti-SMC3 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-SMC3 Antibody catalog # A01930. Tested in WB,ICC/IF,IHC,Flow Cytometry applications. This antibody reacts with Human,Mouse,Rat.
Application	Flow Cytometry, IF, IHC, ICC, WB
Clonality	Polyclonal
Formulation	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q9UQE7

Technical Details

Immunogen	This antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to an N-Terminal region near amino acids 1-25 of Human Cul5 (N-terminus) coupled to KLH.
Predicted Reactive Species	Boar, Bovine, Canine, Golden Hamster
Isotype	IgG
Form	Liquid
Concentration	1 mg/ml

Purification	ProA affinity purified
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>WB: 1:1,000-1:5,000</p> <p>ICC: 1:100-1:500</p> <p>IHC: 1:50-1:200</p> <p>FC: 1:50-1:100</p>

Anti-SMC3 Antibody (A01930) Images

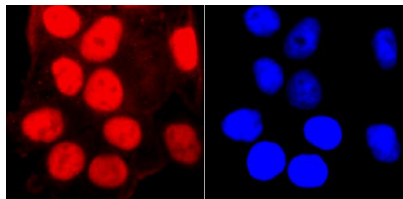


Figure 2. Immunocytochemistry staining of SMC3 using Anti-SMC3 Antibody (A01930).

ICC staining SMC3 in HeLa cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde

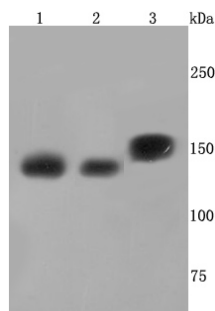


Figure 1. Western blotting validation for Anti-SMC3 Antibody A01930

Western blot analysis of SMC3 on different cells lysates using anti-SMC3 antibody at 1/1

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