

Anti-Ubiquitin D UBD Antibody

Catalog Number: A01970-3

About UBD

Cullins assemble a potentially large number of ubiquitin ligases by binding to the RING protein ROC1 to catalyze 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-Ubiquitin D UBD Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-Ubiquitin D UBD Antibody catalog # A01970-3. Tested in WB,ICC,IHC applications. This antibody reacts with Human,Mouse.
Application	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	O15205

Technical Details

Immunogen	Synthesized peptide derived from human Syntaxin 1 around the phosphorylation site of S14.
Predicted Reactive Species	Boar, Bovine, Canine, Golden Hamster
Isotype	IgG
Form	Liquid
Concentration	1 mg/ml
Purification	ProA affinity purified

Suggested Dilutions

Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

WB: 1:1,000-1:2,000

ICC: 1:100-1:500

IHC: 1:50-1:200

Anti-Ubiquitin D UBD Antibody (A01970-3) Images

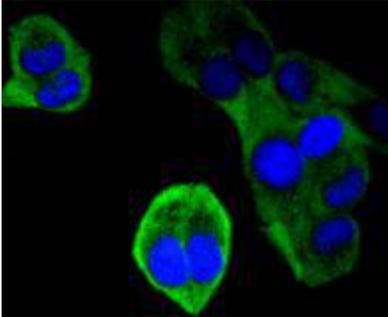


Figure 2. Immunocytochemistry staining of UBD using Anti-Ubiquitin D UBD Antibody (A01970-3).

ICC staining Ubiquitin D in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde

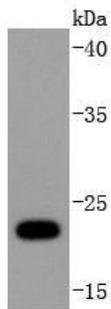


Figure 1. Western blotting validation for Anti-Ubiquitin D UBD Antibody A01970-3

Western blot analysis of Ubiquitin D on HeLa cells lysates using anti-Ubiquitin D antibody at 1/1

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