BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-STUB1 Antibody (C-term)

Catalog Number: M01236-1

About STUB1

E3 ubiquitin-protein ligase which targets misfolded chaperone substrates towards proteasomal degradation. Collaborates with ATXN3 in the degradation of misfolded chaperone substrates: ATXN3 restricting the length of ubiquitin chain attached to STUB1/CHIP substrates and preventing further chain extension. Ubiquitinates NOS1 in concert with Hsp70 and Hsp40. Modulates the activity of several chaperone complexes, including Hsp70, Hsc70 and Hsp90. Mediates transfer of non-canonical short ubiquitin chains to HSPA8 that have no effect on HSPA8 degradation. Mediates polyubiquitination of DNA polymerase beta (POLB) at 'Lys-41', 'Lys-61' and 'Lys-81', thereby playing a role in base-excision repair: catalyzes polyubiquitination by amplifying the HUWE1/ARF- BP1-dependent monoubiquitination and leading to POLB-degradation by the proteasome. Mediates polyubiquitination of CYP3A4. Ubiquitinates EPHA2 and may regulate the receptor stability and activity through proteasomal degradation.

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Overview

Product Name	Anti-STUB1 Antibody (C-term)
Reactive Species	Human, Mouse
Description	Boster Bio Anti-STUB1 Antibody (C-term) (Catalog # M01236-1). Tested in WB application(s). This antibody reacts with Human, Mouse.
Application	WB
Clonality	Monoclonal 1008CT12.4.1
Formulation	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Mouse
Uniprot ID	Q9UNE7

Technical Details

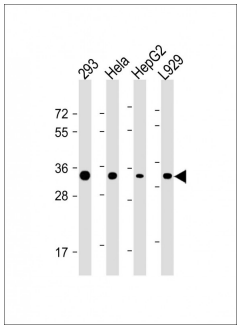
Immunogen	This STUB1 antibody is generated from a mouse immunized with a recombinant protein of human STUB1.

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Predicted Reactive Species	Rat
Isotype	IgG1,k
Purification	This antibody is purified through a protein G column, followed by dialysis against PBS.
Suggested Dilutions	WB: 1:4000 Tested Species: In-house tested species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.

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Anti-STUB1 Antibody (C-term) (M01236-1) Images



All lanes : Anti-STUB1 Antibody (C-term) at 1:4000 dilutionLane 1: 293 whole cell lysateLane 2: Hela whole cell lysateLane 3: HepG2 whole cell lysateLane 4: L929 whole cell lysateLysates/proteins at 20 µg per lane. SecondaryGoat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 35 kDaBlocking/Dilution buffer: 5% NFDM/TBST.

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For Research Use Only. Not for use in diagnostic procedures.