

## Anti-SMURF2 Antibody

Catalog Number: M02585-1

### About SMURF2

E3 ubiquitin-protein ligase which accepts ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfers the ubiquitin to targeted substrates. Interacts with SMAD1 and SMAD7 in order to trigger their ubiquitination and proteasome-dependent degradation. In addition, interaction with SMAD7 activates autocatalytic degradation, which is prevented by interaction with SCYE1. Forms a stable complex with the TGF-beta receptor-mediated phosphorylated SMAD2 and SMAD3. In this way, SMAD2 may recruit substrates, such as SNON, for ubiquitin-mediated degradation. Enhances the inhibitory activity of SMAD7 and reduces the transcriptional activity of SMAD2. Coexpression of SMURF2 with SMAD1 results in considerable decrease in steady-state level of SMAD1 protein and a smaller decrease of SMAD2 level.

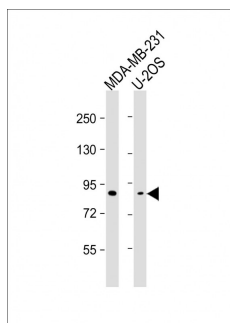
### Overview

Product Name	Anti-SMURF2 Antibody
Reactive Species	Human
Description	Boster Bio Anti-SMURF2 Antibody (Catalog # M02585-1). Tested in WB application(s). This antibody reacts with Human.
Application	WB
Clonality	Monoclonal 1826CT865.51.28
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	Q9HAU4

### Technical Details

Immunogen	This SMURF2 antibody is generated from a mouse immunized with a recombinant protein of human SMURF2.
Predicted Reactive Species	Mouse
Isotype	IgG1,k
Purification	This antibody is purified through a protein G column, followed by dialysis against PBS.
Suggested Dilutions	WB: 1:2000-1:4000

## Anti-SMURF2 Antibody (M02585-1) Images



All lanes : Anti-SMURF2 Antibody at 1:2000-1:4000 dilution  
Lane 1: MDA-MB-231 whole cell lysate  
Lane 2: U-2OS whole cell lysate  
Lysates/proteins at 20 µg per lane.  
Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 86 kDa  
Blocking/Dilution buffer: 5% NFDN/TBST.

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### Anti-SMURF2 Antibody

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