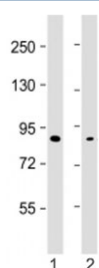


## SMURF2 Antibody [clone 1826CT865.51.28] (F54130)

Catalog No.	Formulation	Size
F54130-0.2ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.2 ml
F54130-0.05ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.05 ml

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG1, kappa
<b>Clone Name</b>	1826CT865.51.28
<b>Purity</b>	Protein G purified
<b>UniProt</b>	Q9HAU4
<b>Applications</b>	Western Blot : 1:2000-1:4000
<b>Limitations</b>	This SMURF2 antibody is available for research use only.



Western blot testing of SMURF2 antibody at 1:2000: Lane 1) human MDA-MB-231 and 2) U-2OS cell lysate. Predicted molecular weight ~86 kDa.

## Description

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. [UniProt]

## Application Notes

The stated application concentrations are suggested starting points. Titration of the SMURF2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

Recombinant human SMURF2 was used as the immunogen for the SMURF2 antibody.

## Storage

Aliquot the SMURF2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.