

## Smurf2 monoclonal antibody

Catalog: MB67214

Host: Mouse

Reactivity: Human

### BackGround:

Smad ubiquitin regulatory factor 2 (Smurf2) is a HECT domain E3 ubiquitin ligase. It was initially identified as an inhibitor of TGF- $\beta$ /BMP signaling by targeting R-Smads and TGF type I receptor for ubiquitination and degradation. Subsequent studies have revealed its role in neuronal and planar cell polarity, as well as in the senescence response and suppression of tumorigenesis. Smurf2 has a broad range of substrates including RUNX2, AMSH, Rap1B, and RNF11. Smurf2 is widely expressed in various tissues. The C2 domain of Smurf2 inhibits its catalytic activity by interacting with the HECT domain. Research studies have shown that Smurf2 functions as a tumor suppressor by maintaining genomic stability through targeting RNF20.

### Product:

Mouse IgG1 kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.

### Molecular Weight:

~ 80 kDa

### Swiss-Prot:

Q9HAU4

### Purification&Purity:

This antibody is purified through a protein G column.

### Applications:

WB (1/1000 - 1/2000)

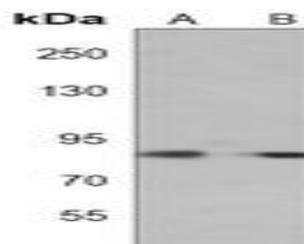
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

Recognizes endogenous levels of Smurf2 protein.

### DATA:



Western blot analysis of Smurf2 expression in MDAMB231 (A), U2OS (B) whole cell lysates.

### Note:

For research use only, not for use in diagnostic procedure.

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