
Product Name: SMURF2 Mouse Monoclonal Antibody**Catalog #: AMM86093**

For research use only.

Summary

| | |
|----------------------|---|
| Description | Mouse monoclonal Antibody |
| Host | Mouse |
| Application | WB |
| Reactivity | Human, Mouse |
| Conjugation | Unconjugated |
| Modification | Unmodified |
| Isotype | Mouse IgG1 |
| Clonality | Monoclonal |
| Form | Liquid |
| Concentration | 1mg/ml |
| Storage | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| Shipping | Ice bags |
| Buffer | Purified antibody in PBS with 0.05% sodium azide. |
| Purification | Affinity Purification |

Application

| | |
|-------------------------|------------------|
| Dilution Ratio | WB 1:2000-1:4000 |
| Molecular Weight | 86.2kDa |

Antigen Information

| | |
|--------------------------|--|
| Gene Name | SMURF2 |
| Alternative Names | E3 ubiquitin-protein ligase SMURF2, hSMURF2, 6.3.2.-, SMAD ubiquitination regulatory factor 2, SMAD-specific E3 ubiquitin-protein ligase 2, SMURF2 |
| Gene ID | 64750.0 |
| SwissProt ID | Q9HAU4 |
| Immunogen | This SMURF2 antibody is generated from a mouse immunized with a recombinant protein of human SMURF2. |

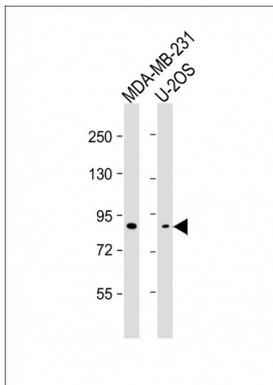
Background

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.

Research Area

Image Data



All lanes : Anti-SMURF2 Antibody at 1:2000-1:4000 dilution