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Datasheet for ABIN6243825
anti-SMURF2 antibody

1 Image

Overview

Quantity:	200 µL
Target:	SMURF2
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This SMURF2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This SMURF2 antibody is generated from a mouse immunized with a recombinant protein of human SMURF2.
Clone:	1826CT865-51-28
Isotype:	IgG1 kappa
Purification:	This antibody is purified through a protein G column, followed by dialysis against PBS.

Target Details

Target:	SMURF2
Alternative Name:	SMURF2 (SMURF2 Products)
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

Target Details

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.

Molecular Weight: 86196

UniProt: [Q9HAU4](#)

Application Details

Application Notes: WB: 1:2000-1:4000

Restrictions: For Research Use only

Handling

Format: Liquid

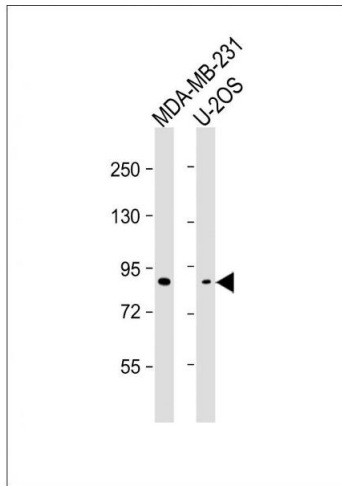
Buffer: Purified monoclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Expiry Date: 6 months



Western Blotting

Image 1. 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.