

Recombinant

DGRmAb®

SMURF 2 (DGR13586) Rabbit mAb (PBS Only)

db15537-PBS

Package : 100µg

Product Name : SMURF 2 (DGR13586) Rabbit mAb (PBS Only)**Cat.No.:** db15537-PBS**Synonyms** : SMURF2**Application** : WB**Reactivity** : Human,Mouse,Rat**Host species** : Rabbit**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.

Immunogen

A synthetic peptide of human SMURF 2

Gene ID

64750

Swiss Prot

Q9HAU4

Synonyms

SMURF2

Reactivity

Human,Mouse,Rat

Application

WB

Calculated MW

86 kDa

Observed MW

86 kDa

Host species

Rabbit

Clonality

Monoclonal

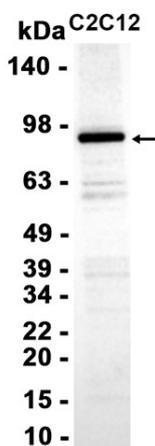
Clonality No.

DGR13586

Isotype

IgG

Purity	Affinity Purification
Conjugation	Un-conjugated
Concentration	1 mg/mL
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



Western blot analysis of extracts from C2C12 cells using [db15537](#) at 1:1000.