Recombinant DGRmAb®

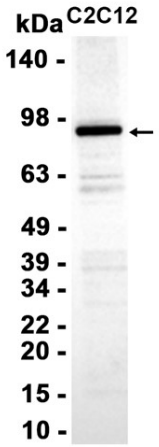
SMURF 2 (DGR13586) Rabbit mAb (PBS Only)

db15537-PBS **Package : 10μg 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.