# SMURF 2 Rabbit pAb

**db2475** **Package : 20μL 50μL 100μL**

**Product Name :** SMURF 2 Rabbit pAb
**Cat.No.:** db2475
**Synonyms :** SMURF2
**Application :** WB
**Reactivity :** Human, Mouse, Rat
**Host species :** Rabbit

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| **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 |
| **Recommended dilution** | WB: 1:1000 |
| **Calculated MW** | 86 kDa |
| **Observed MW** | 86 kDa |
| **Host species** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |

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| **Purity** | Affinity Purification |
| **Conjugation** | Un-conjugated |
| **Storage Stability** | Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt. |