



# Rabbit Anti-Human SMURF2 monoclonal antibody, clone 5I29M28 (CABT-L1600)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Specificity</b>	This antibody is predicted to react with Monkey, Rat and Rabbit
<b>Target</b>	SMURF2
<b>Immunogen</b>	Protein corresponding to Human SMURF2 (aa 151-242)
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Clone</b>	5I29M28
<b>Purification</b>	Protein A Purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ICC, IF, WB
<b>Format</b>	Liquid
<b>Concentration</b>	0.5 mg/ml
<b>Buffer</b>	PBS, pH 7.4
<b>Preservative</b>	0.09% Sodium Azide
<b>Storage</b>	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

## BACKGROUND

**Introduction**

SMURF2 is an 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. This protein interacts with SMAD1, SMAD2 and SMAD7 in order to trigger their ubiquitination and proteasome-dependent degradation. It 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.

**Keywords**

SMURF2;SMAD specific E3 ubiquitin protein ligase 2;E3 ubiquitin-protein ligase  
SMURF2;hSMURF2;E3 ubiquitin ligase SMURF2;SMAD ubiquitination regulatory factor  
2;SMAD-specific E3 ubiquitin-protein ligase 2

## GENE INFORMATION

**Entrez Gene ID**

[64750](#)

**UniProt ID**

[Q9HAU4](#)