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anti-SMURF2 antibody (N-Term)

2 Images



Go to Product page

Overview

Target:

Alternative Name:

Quantity:	0.4 mL
Target:	SMURF2
Binding Specificity:	N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SMURF2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)
Product Details	
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide
	selected from the N-terminal region of human SMURF2.
Isotype:	Ig Fraction
Specificity:	This antibody detects SMURF2 at N-term.
Purification:	Protein G column, eluted with high and low pH buffers and neutralized immediately, followed by
	dialysis against PBS
Target Details	

SMURF2

SMURF2 (SMURF2 Products)

Target Details

Background:	SMURF2, a 748-amino acid ubiquitin E3 ligase that is 83 % identical to SMURF1, codes for a C2-
	WW-HECT domain ubiquitin ligase that associates constitutively with SMAD7. Binding to
	SMAD7 induces export of SMURF2 and recruitment to the activated transforming growth
	factor-beta receptor (TGFBR), where it causes receptor and SMAD7 degradation. A strong
	interaction of second and third SMURF2 WW domains has been identified with SMAD1, SMAD2,
	and SMAD3, but not SMAD4. Western blot analysis showed that SMURF2 selectively
	downregulates the transcription of SMAD2 and SMAD1, but not SMAD3. The nuclear
	SMURF2/phosphorylated SMAD2 interaction is requires TGFB1.Synonyms: E3 ubiquitin-protein
	ligase SMURF2, SMAD ubiquitination regulatory factor 2, SMAD-specific E3 ubiquitin-protein
	ligase 2, SMURF 2, SMURF-2
Molecular Weight:	86195 Da
Gene ID:	64750
NCBI Accession:	NP_073576
UniProt:	Q9HAU4
Application Details	
Application Notes:	ELISA 1: 1,000. Western blot 1: 100 - 1: 500. Immunohistochemistry 1: 50 - 1: 100.
	Other applications not tested.
	Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	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.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody at 2 - 8 °C up to one month or (in aliquots) at -20 °C for longer.

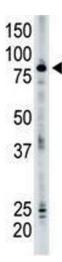


Image 1.

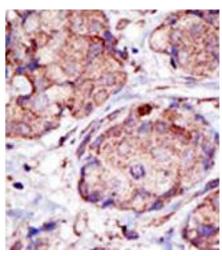


Image 2.