

Datasheet for ABIN753178
anti-SMURF2 antibody (AA 601-700)[Go to Product page](#)

4 Images

1 Publication

Overview

Quantity:	100 µL
Target:	SMURF2
Binding Specificity:	AA 601-700
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SMURF2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human SMURF2
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Cow,Horse,Chicken
Purification:	Purified by Protein A.

Target Details

Target:	SMURF2
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Target Details

Alternative Name:	SMURF2 (SMURF2 Products)
Background:	<p>Synonyms: E3 ubiquitin-protein ligase SMURF2, hSMURF2, SMAD ubiquitination regulatory factor 2, SMAD-specific E3 ubiquitin-protein ligase 2, SMURF2</p> <p>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.</p> <p>Coexpression of SMURF2 with SMAD1 results in considerable decrease in steady-state level of SMAD1 protein and a smaller decrease of SMAD2 level.</p>
Gene ID:	64750
UniProt:	Q9HAU4

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 FCM 1:20-100 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin

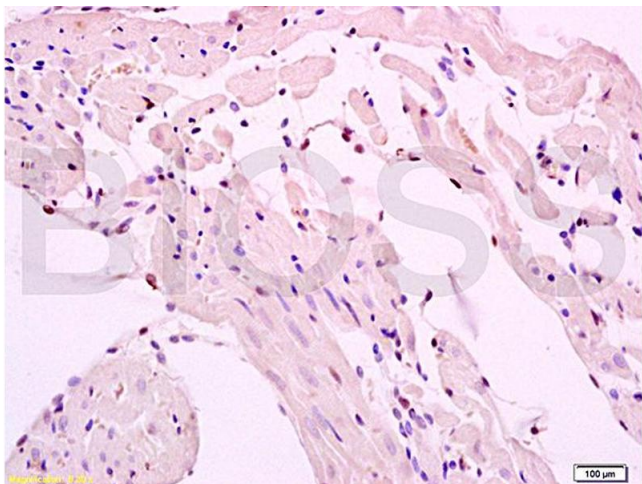
Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

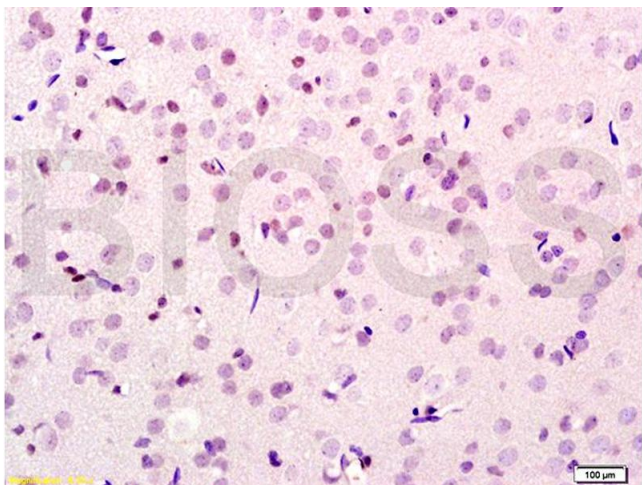
Product cited in:	Huang, Yang, Nan, Gao, Feng, Gou, Chen, Zhang, Yan, Peng, Xu: "The proteasome inhibitor, MG132, attenuates diabetic nephropathy by inhibiting SnoN degradation in vivo and in vitro." in: BioMed research international , Vol. 2014, pp. 684765, (2015) (PubMed).
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Images



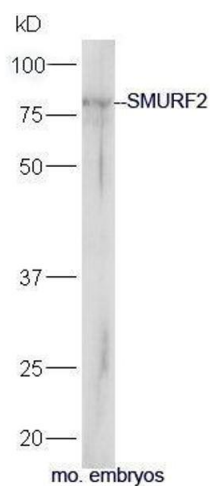
Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded rat myocardium tissue labeled with Anti-SMURF2 Polyclonal Antibody, Unconjugated (ABIN753178) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded rat brain tissue labeled with Anti-SMURF2 Polyclonal Antibody, Unconjugated (ABIN753178) at 1:200 followed by conjugation to the secondary antibody, (SP-0023), and DAB staining



Western Blotting

Image 3. Mouse embryo lysates probed with Rabbit Anti-SMURF2 Polyclonal Antibody, Unconjugated at 1:5000 for 90 min at 37°C.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN753178.