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Datasheet for ABIN392165

## anti-SMAD4 antibody (AA 255-284)

4 Images

1 Publication

### Overview

Quantity:	400 µL
Target:	SMAD4
Binding Specificity:	AA 255-284
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SMAD4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

### Product Details

Immunogen:	This SMAD4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 255-284 amino acids from human SMAD4.
Clone:	RB14714
Isotype:	Ig Fraction
Predicted Reactivity:	Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

### Target Details

Target:	SMAD4
Alternative Name:	SMAD4 ( <a href="#">SMAD4 Products</a> )

## Target Details

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Background:	SMAD4 is the common SMAD (co-SMAD)mediator of signal transduction by TGF-beta (transforming growth factor). It promotes binding of the SMAD2/SMAD4/FAST-1 complex to DNA and provides an activation function required for SMAD1 or SMAD2 to stimulate transcription. It may act as a tumor suppressor.
Molecular Weight:	60439
Gene ID:	4089
NCBI Accession:	<a href="#">NP_005350</a>
UniProt:	<a href="#">Q13485</a>
Pathways:	<a href="#">Cell Division Cycle</a> , <a href="#">Chromatin Binding</a> , <a href="#">Autophagy</a>

## Application Details

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Application Notes:	IF: 1:10~50. WB: 1:1000. WB: 1:2000. WB: 1:1000
Restrictions:	For Research Use only

## Handling

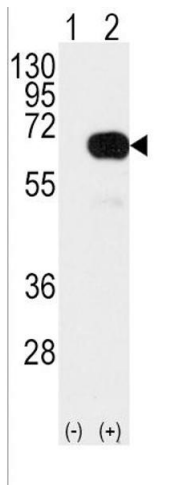
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Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

## Publications

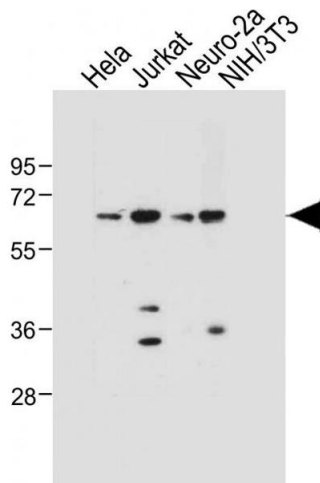
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Product cited in:	Chen, Hou, Fan, Jin, Wang: "Sonic hedgehog protein regulates fibroblast growth factor 8 expression in metanephric explant culture from BALB/c mice: Possible mechanisms associated with renal morphogenesis." in: <b>Molecular medicine reports</b> , Vol. 14, Issue 4, pp. 2929-36, (2017) ( <a href="#">PubMed</a> ).
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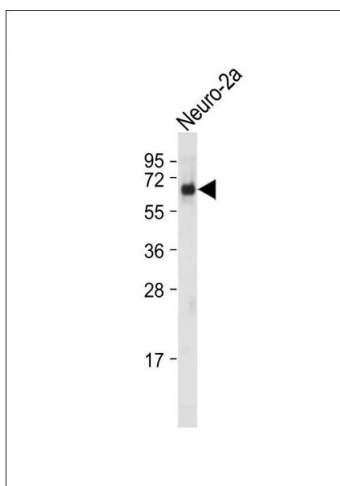
### Western Blotting

**Image 1.** Western blot analysis of SD4 Antibody (arrow) using rabbit polyclonal SD4 Antibody (ABIN392165 and ABIN2841882). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected with the SD4 gene (Lane 2) (Origene Technologies).



### Western Blotting

**Image 2.** All lanes : Anti-SD4 Antibody at 1:1000 dilution  
 Lane 1: HeLa whole cell lysate Lane 2: Jurkat whole cell lysate Lane 3: Neuro-2a whole cell lysate Lane 4: NIH/3T3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 60 kDa Blocking/Dilution buffer: 5 % NFDm/TBST.



### Western Blotting

**Image 3.** Anti-SD4 Antibody at 1:2000 dilution + Neuro-2a whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 60 kDa Blocking/Dilution buffer: 5 % NFDm/TBST.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN392165.