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Datasheet for ABIN7270354  
**anti-SMAD5 antibody**

3 Images

### Overview

Quantity:	100 µL
Target:	SMAD5
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This SMAD5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

### Product Details

Purpose:	Smad5 Rabbit mAb
Immunogen:	A synthesized peptide derived from human Smad5
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

### Target Details

Target:	SMAD5
Alternative Name:	SMAD5 ( <a href="#">SMAD5 Products</a> )
Background:	The protein encoded by this gene is involved in the transforming growth factor beta signaling

## Target Details

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pathway that results in an inhibition of the proliferation of hematopoietic progenitor cells. The encoded protein is activated by bone morphogenetic proteins type 1 receptor kinase, and may be involved in cancer. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2014],DWFC,JV5-1,MADH5,SMAD5,Cell Biology & Developmental Biology,Epigenetics & Nuclear Signaling,ESC Pluripotency and Differentiation,Signal Transduction,Stem Cells,TGF-b-Smad Signaling Pathway,TGF-b-Smad Signaling Pathway\_SMADs,SMAD5

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Molecular Weight: 52kDa

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Gene ID: 4090

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UniProt: [Q99717](#)

## Application Details

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Application Notes: WB,1:500 - 1:2000,IP,1:50 - 1:200

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

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Preservative: Sodium azide

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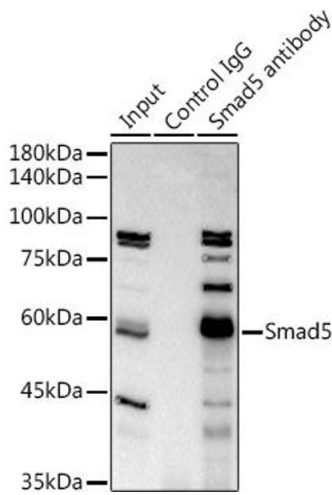
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: -20 °C

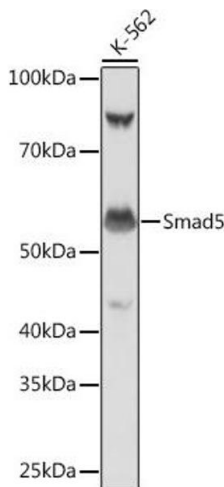
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Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



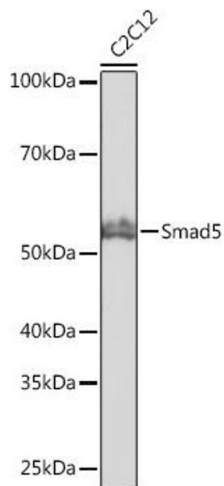
### Immunoprecipitation

**Image 1.** Immunoprecipitation analysis of 300 µg extracts of K-562 cells using 3 µg Smad5 antibody (ABIN7270354). Western blot was performed from the immunoprecipitate using Smad5 antibody (ABIN7270354) at a dilution of 1:1000.



### Western Blotting

**Image 2.** Western blot analysis of extracts of K-562 cells, using Smad5 antibody (ABIN7270354) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.



### Western Blotting

**Image 3.** Western blot analysis of extracts of C2C12 cells, using Smad5 antibody (ABIN7270354) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.