

Datasheet for ABIN1533870  
**anti-SMAD4 antibody (AA 21-70)**



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1 Image

## Overview

|                      |                                      |
|----------------------|--------------------------------------|
| Quantity:            | 100 µL                               |
| Target:              | SMAD4                                |
| Binding Specificity: | AA 21-70                             |
| Reactivity:          | Human, Mouse, Rat                    |
| Host:                | Rabbit                               |
| Clonality:           | Polyclonal                           |
| Conjugate:           | This SMAD4 antibody is un-conjugated |
| Application:         | Western Blotting (WB), ELISA         |

## Product Details

|               |                                                                                             |
|---------------|---------------------------------------------------------------------------------------------|
| Immunogen:    | The antiserum was produced against synthesized peptide derived from human Smad4.            |
| Isotype:      | IgG                                                                                         |
| Specificity:  | Smad4 Antibody detects endogenous levels of total Smad4 protein.                            |
| Purification: | The antibody was purified from rabbit antiserum by affinity-chromatography using immunogen. |
| Purity:       | > 95 %                                                                                      |

## Target Details

|                   |                                                                                     |
|-------------------|-------------------------------------------------------------------------------------|
| Target:           | SMAD4                                                                               |
| Alternative Name: | Smad4 ( <a href="#">SMAD4 Products</a> )                                            |
| Background:       | Synonyms: Mothers against decapentaplegic homolog 4, MAD homolog 4, Mothers against |

## Target Details

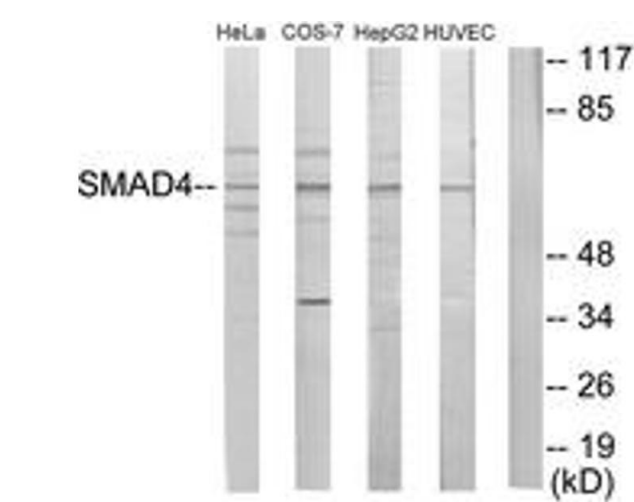
|                   |                                                                                                                                                        |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
|                   | DPP homolog 4, Deletion target in pancreatic carcinoma 4, SMAD family member 4, SMAD 4, Smad4, hSMAD4 , SMAD4 , DPC4, MADH4<br>NCBI Gene Symbol: Smad4 |
| Molecular Weight: | 60 kDa                                                                                                                                                 |
| Gene ID:          | 4089                                                                                                                                                   |
| OMIM:             | 114500                                                                                                                                                 |
| UniProt:          | <a href="#">Q13485</a>                                                                                                                                 |
| Pathways:         | <a href="#">Cell Division Cycle</a> , <a href="#">Chromatin Binding</a> , <a href="#">Autophagy</a>                                                    |

## Application Details

|                    |                                                    |
|--------------------|----------------------------------------------------|
| Application Notes: | WB: 1:500~1:1000 ELISA: 1:10000                    |
| Comment:           | Unigene-Number: Hs.75862 (NCBI Gene Symbol: Smad4) |
| Restrictions:      | For Research Use only                              |

## Handling

|                    |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                 |
| Concentration:     | 1 mg/mL                                                                                                                |
| Buffer:            | phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.         |
| 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:           | -20 °C                                                                                                                 |
| Storage Comment:   | Stable at -20°C for at least 1 year.                                                                                   |
| Expiry Date:       | 12 months                                                                                                              |



**Western Blotting**

**Image 1.** Western blot analysis of extracts from HeLa/COS7/HepG2/HuvEc cells, using Smad4 Antibody. The lane on the right is treated with the synthesized peptide.