

**Product Name: Smad1 Rabbit Monoclonal Antibody**  
**Catalog #: AMRe86652**



## Summary

<b>Production Name</b>	Smad1 Rabbit Monoclonal Antibody
<b>Description</b>	Rabbit Monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB, IHC-P, FC
<b>Reactivity</b>	Human

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% protective protein. Stable for 12 months from date of receipt.
<b>Purification</b>	Affinity Purification

## Immunogen

<b>Gene Name</b>	Smad1
<b>Alternative Names</b>	BSP1; JV41; BSP-1; JV4-1; MADH1; MADR1
<b>Gene ID</b>	4086
<b>SwissProt ID</b>	Q15797.

## Application

<b>Dilution Ratio</b>	WB: 1:1000-1:5000 IHC-P: 1:50-1:100 FC: 1:200-1:500
<b>Molecular Weight</b>	Calculated MW:52 kDa; Observed MW:52 kDa

## Background

The protein encoded by this gene belongs to the SMAD, a family of proteins similar to the gene products of the Drosophila

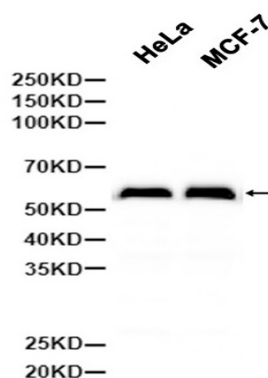
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gene 'mothers against decapentaplegic' (Mad) and the *C. elegans* gene Sma. SMAD proteins are signal transducers and transcriptional modulators that mediate multiple signaling pathways. This protein mediates the signals of the bone morphogenetic proteins (BMPs), which are involved in a range of biological activities including cell growth, apoptosis, morphogenesis, development and immune responses. In response to BMP ligands, this protein can be phosphorylated and activated by the BMP receptor kinase. The phosphorylated form of this protein forms a complex with SMAD4, which is important for its function in the transcription regulation. This protein is a target for SMAD-specific E3 ubiquitin ligases, such as SMURF1 and SMURF2, and undergoes ubiquitination and proteasome-mediated degradation. Alternatively spliced transcript variants encoding the same protein have been observed. [provided by RefSeq, Jul 2008]

## Research Area

## Image Data



Western blot analysis of extracts from HeLa, MCF-7 cells using AMRe86652 at 1:3000.

## Note

For research use only.