

A14749

Leader in Biomolecular Solutions for Life Science



## Smad6 Rabbit pAb

Catalog No.: A14749

### Basic Information

#### Observed MW

53kDa

#### Calculated MW

53kDa

#### Category

Polyclonal Antibody

#### Applications

WB, IF/ICC, ELISA

#### Cross-Reactivity

Human, Mouse, Rat

### Background

The protein encoded by this gene belongs to the SMAD family of proteins, which are related to Drosophila 'mothers against decapentaplegic' (Mad) and C. elegans Sma. SMAD proteins are signal transducers and transcriptional modulators that mediate multiple signaling pathways. This protein functions in the negative regulation of BMP and TGF-beta/activin-signalling. Multiple transcript variants have been found for this gene.

### Recommended Dilutions

WB	1:500 - 1:2000
IF/ICC	1:50 - 1:200

### Immunogen Information

#### Gene ID

4091

#### Swiss Prot

O43541

#### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 257-496 of human Smad6 (NP\_005576.3).

#### Synonyms

AOVD2; MADH6; MADH7; HsT17432; Smad6

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Product Information

#### Source

Rabbit

#### Isotype

IgG

#### Purification

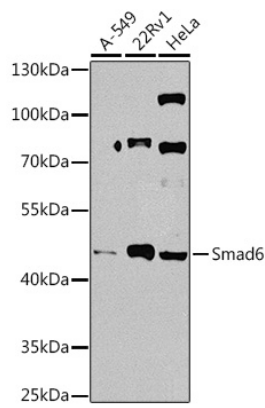
Affinity purification

#### Storage

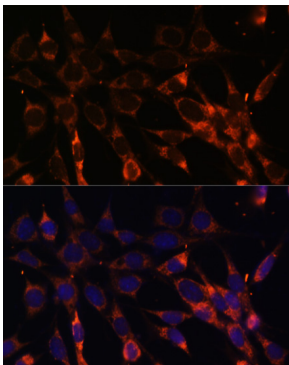
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Validation Data



Western blot analysis of extracts of various cell lines, using Smad6 antibody (A14749) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 15s.



Immunofluorescence analysis of NIH-3T3 cells using Smad6 antibody (A14749) at dilution of 1:100. Blue: DAPI for nuclear staining.