

**Anti-SMAD6 Antibody (aa323-372)**  
**Rabbit Anti Human Polyclonal Antibody**  
**Catalog # ALS18109**

**Specification**

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**Anti-SMAD6 Antibody (aa323-372) - Product Information**

Application	<b>WB, IHC-P, E</b>
Primary Accession	<a href="#">O43541</a>
Predicted	<b>Human, Mouse</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>IgG</b>
Calculated MW	<b>53497</b>

**Anti-SMAD6 Antibody (aa323-372) - Additional Information**

**Gene ID** 4091

**Alias Symbol** **SMAD6**

**Other Names**

SMAD6, AOVD2, HSMAD6, HsT17432, SMAD 6, MADH7, Mothers against DPP homolog 6, SMAD family member 6, MAD homolog 6, MADH6

**Target/Specificity**

Smad6 antibody detects endogenous levels of Smad6.

**Reconstitution & Storage**

Immunoaffinity purified

**Precautions**

Anti-SMAD6 Antibody (aa323-372) is for research use only and not for use in diagnostic or therapeutic procedures.

**Anti-SMAD6 Antibody (aa323-372) - Protein Information**

**Name** SMAD6

**Synonyms** MADH6

**Function**

Transforming growth factor-beta superfamily receptors signaling occurs through the Smad family of intracellular mediators. SMAD6 is an inhibitory Smad (i-Smad) that negatively regulates signaling downstream of type I transforming growth factor-beta (PubMed: <a href="http://www.uniprot.org/citations/10647776" target="\_blank">10647776</a>, PubMed: <a href="http://www.uniprot.org/citations/10708948" target="\_blank">10708948</a>, PubMed: <a href="http://www.uniprot.org/citations/10708949" target="\_blank">10708949</a>, PubMed: <a href="http://www.uniprot.org/citations/16951688" target="\_blank">16951688</a>, PubMed: <a href="http://www.uniprot.org/citations/22275001" target="\_blank">22275001</a>, PubMed: <a href="http://www.uniprot.org/citations/22275001" target="\_blank">22275001</a>).

[30848080](http://www.uniprot.org/citations/30848080), PubMed: [9436979](http://www.uniprot.org/citations/9436979), PubMed: [9759503](http://www.uniprot.org/citations/9759503)). Acts as a mediator of TGF-beta and BMP anti-inflammatory activities. Suppresses IL1R-TLR signaling through its direct interaction with PEL1, preventing NF-kappa-B activation, nuclear transport and NF-kappa-B-mediated expression of pro-inflammatory genes (PubMed: [16951688](http://www.uniprot.org/citations/16951688)). Blocks the BMP-SMAD1 signaling pathway by competing with SMAD4 for receptor-activated SMAD1-binding (PubMed: [30848080](http://www.uniprot.org/citations/30848080), PubMed: [9436979](http://www.uniprot.org/citations/9436979)). Binds to regulatory elements in target promoter regions (PubMed: [16491121](http://www.uniprot.org/citations/16491121)).

#### Cellular Location

Nucleus.

#### Tissue Location

[Isoform B]: Expressed in the brain, heart, ovary, peripheral blood leukocytes, small intestine, spleen, thymus, bone marrow, fetal liver and lymph nodes.

#### Anti-SMAD6 Antibody (aa323-372) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### Anti-SMAD6 Antibody (aa323-372) - Images