

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

Specification

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

| | |
|-------------------|------------------------|
| Application | WB, IHC-P, E |
| Primary Accession | O43541 |
| Predicted | Human, Mouse |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Calculated MW | 53497 |

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: 10647776, PubMed: 10708948, PubMed: 10708949, PubMed: 16951688, PubMed: 22275001, PubMed: <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