

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
Dilution	WB~~1:1000 IHC-P~~N/A E~~N/A

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:10708948).

href="http://www.uniprot.org/citations/10708949" target="_blank">10708949, PubMed:16951688, PubMed:22275001, PubMed:30848080, PubMed:9436979, PubMed: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). Blocks the BMP-SMAD1 signaling pathway by competing with SMAD4 for receptor- activated SMAD1-binding (PubMed:30848080, PubMed:9436979). Binds to regulatory elements in target promoter regions (PubMed: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