10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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:9436979, PubMed:16951688, PubMed:22275001, PubMed:9759503, PubMed:10647776, PubMed:<a

href="http://www.uniprot.org/citations/10708948" target="_blank">10708948, PubMed:10708949, PubMed:30848080). 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:9436979, PubMed:30848080). 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 Cytomety
- Cell Culture

Anti-SMAD6 Antibody (aa323-372) - Images