

Anti-SMAD6 Antibody (aa323-372)

Rabbit Anti Human Polyclonal Antibody

Catalog # ALS18109

Product Information

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

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.

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: 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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.