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Smad6 Antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI10402

Product Information

Application	WB
Primary Accession	O35182
Reactivity	Human, Mouse, Rat, Zebrafish, Pig, Dog, Bovine
Predicted	Human, Mouse, Rat, Zebrafish, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	53714

Additional Information

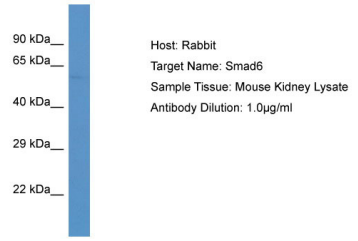
Gene ID	17130
Other Names	Mothers against decapentaplegic homolog 6, MAD homolog 6, Mothers against DPP homolog 6, Mad homolog 7, SMAD family member 6, SMAD 6, Smad6, Smad6, Madh6, Madh7, Msmad6
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 &mu, l of distilled water. Final Anti-Smad6 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.
Precautions	Smad6 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Smad6 {ECO:0000312|MGI:MGI:1336883}
Synonyms	Madh6, Madh7, Msmad6
Function	Acts as an inhibitory regulator of signaling mediated by the TGF-beta superfamily, with strong selectivity toward BMP-dependent pathways. Suppresses IL1R-TLR signaling through its direct interaction with PEL1, preventing NF-kappa-B activation, nuclear translocation 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. Associates with regulatory elements in target promoter regions. Functions as an adapter protein that recruits ubiquitin ligases, including SMURF1 and, in some contexts, SMURF2, promoting proteasomal degradation of signaling components and

	transcription factors such as RUNX2, TBX6, BMPR1A and MYD88.
Cellular Location	Nucleus {ECO:0000250|UniProtKB:O43541}. Cytoplasm
Tissue Location	Ubiquitous in various organs, with higher levels in lung

Images



Host:Rabbit
Target Name:Smad6
Sample Tissue: Mouse Kidney lysates
Antibody Dilution:1.ug/ml

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