

# Smad6 Antibody - C-terminal region

Rabbit Polyclonal Antibody

Catalog # AI10402

## Product Information

Application	WB
Primary Accession	<a href="#">O35182</a>
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.

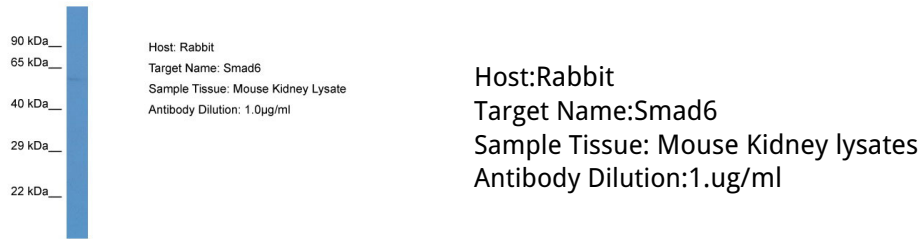
## Protein Information

Name	Smad6
Synonyms	Madh6, Madh7, Msmad6
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 (By similarity). 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: <a href="#">16951688</a> ). Blocks the BMP-SMAD1 signaling pathway by competing with SMAD4 for receptor-activated SMAD1-binding. Binds to regulatory elements in target promoter regions (By similarity).

Cellular Location	Nucleus.
Tissue Location	Ubiquitous in various organs, with higher levels in lung

Images

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