

For Research Use Only

# SMAD3 Monoclonal antibody, PBS Only



Catalog Number: 66516-1-PBS

## Basic Information

<b>Catalog Number:</b> 66516-1-PBS	<b>GenBank Accession Number:</b> NM_005902	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 4088	<b>CloneNo.:</b> 1F10B2
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P84022	
<b>Isotype:</b> IgG1	<b>Full Name:</b> SMAD family member 3	
	<b>Calculated MW:</b> 48 kDa	
	<b>Observed MW:</b> 55-60 kDa	

## Applications

**Tested Applications:**  
WB, ELISA

**Species Specificity:**  
Human, mouse

## Background Information

SMAD3, also named as hMAD3 or Mad3, is a 425 amino acid protein, which contains one MH1 domain and one MH2 domain. SMAD3 localizes in the nucleus and cytoplasm. SMAD3 plays an essential role in development and maintenance of self-tolerance and is a critical mediator of the TGF $\beta$  signaling pathway. SMAD3 is involved in TGF $\beta$  dependent regulation of steroidogenesis and in T-cell response to TGF $\beta$ .

## Storage

**Storage:**  
Store at -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS only

For technical support and original validation data for this product please contact:

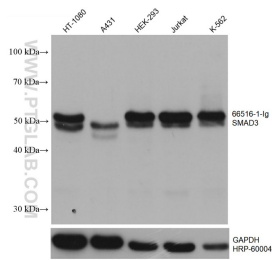
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66516-1-Ig (SMAD3 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control. This data was developed using the same antibody clone with 66516-1-PBS in a different storage buffer formulation.