

For Research Use Only

# SMAD3 Polyclonal antibody, PBS Only

Catalog Number:30130-1-PBS



## Basic Information

Catalog Number:

30130-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG32595

GenBank Accession Number:

NM\_005902

GeneID (NCBI):

4088

UNIPROT ID:

P84022

Full Name:

SMAD family member 3

Calculated MW:

48kd

Observed MW:

48-55 kDa

Purification Method:

Antigen affinity purification

## Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human, mouse, rat

## Background Information

SMAD3, also named as hMAD 3 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 TGFB signaling pathway. SMAD3 is involved in TGFB dependent regulation of steroidogenesis and in T-cell response to TGFB.

## 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, pH7.3

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

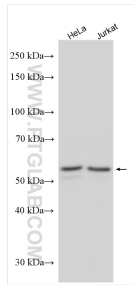
T: 4006900926

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

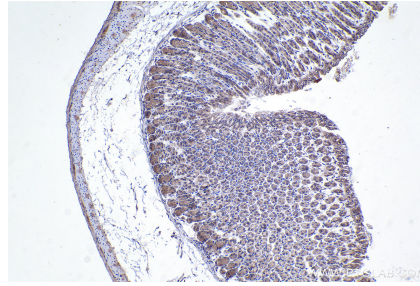
W: [ptgcn.com](http://ptgcn.com)

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

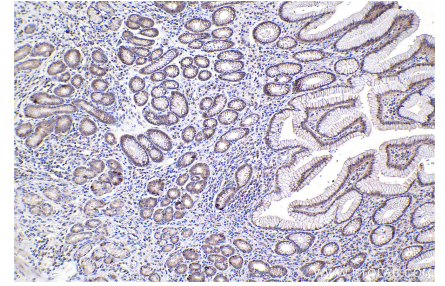
## Selected Validation Data



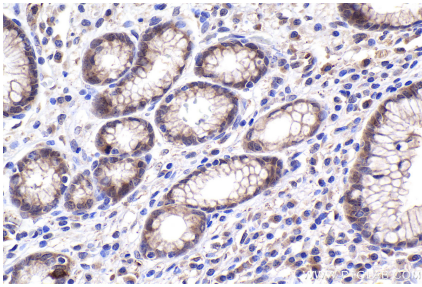
Various lysates were subjected to SDS PAGE followed by western blot with 30130-1-AP (SMAD3 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 30130-1-PBS in a different storage buffer formulation.



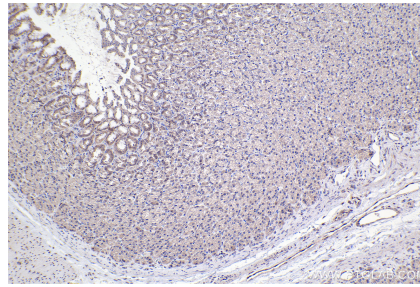
Immunohistochemical analysis of paraffin-embedded mouse stomach tissue slide using 30130-1-AP (SMAD3 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 30130-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 30130-1-AP (SMAD3 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 30130-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 30130-1-AP (SMAD3 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 30130-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded rat stomach tissue slide using 30130-1-AP (SMAD3 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 30130-1-PBS in a different storage buffer formulation.