For Research Use Only

SMAD3 Polyclonal antibody

Catalog Number:33480-1-AP

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Basic Information

Catalog Number:
33480-1-AP

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG8263

GenBank Accession Number:
BC007496

GeneID (NCBI):
4088

UNIPROT ID:
P84022

Full Name:
SMAD family member 3

Calculated MW:
48 kDa

Observed MW:
55 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB: 1:500-1:2000
IHC: 1:50-1:500

Applications

Tested Applications:
WB, IHC, ELISA

Species Specificity:
human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : U-87 MG cells,

IHC : mouse prostate tissue,

Background Information

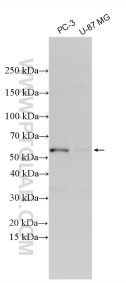
SMAD3, also named as hMAD 3 or Mad3, is a 425 amino acid protein, which contains one MH1 domain and one MH2 domain. SMAD3 localizes in the nucleus and cytoplasm. SMAD3 plays an essential role in development and maintenance of self-tolerance and is a critical mediator of the TGFB signaling pathway. SMAD3 is involved in TGFB dependent regulation of steroidogenesis and in T-cell response to TGFB.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 33480-1-AP (SMAD3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.

Immunohistochemical analysis of paraffin-embedded mouse prostate tissue slide using 33480-1-AP (SMAD3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).