For Research Use Only

SMAD3 Monoclonal antibody, PBS Only

Catalog Number:66516-1-PBS

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
66516-1-PBS

Size:
6404 ug/ml

Source:
Mouse

Isotype:
IgG1

GenBank Accession Number:
NM_005902

GeneID (NCBI):
4088

UNIPROT ID:
P84022

Full Name:
SMAD family member 3

Calculated MW:
48 kDa

Observed MW:
55-60 kDa

Purification Method:
Protein G purification

CloneNo.:
1F10B2

Applications

Tested Applications:
WB, IHC, ELISA

Species Specificity:
human, mouse

Background Information

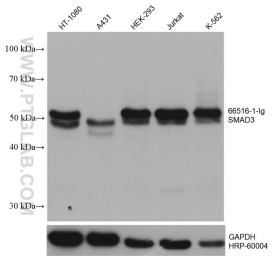
SMAD3, also named as hMAD 3 or Mad3, is a 425 amino acid protein, which contains one MH1 domain and one MH2 domain. SMAD3 localizes in the nucleus and cytoplasm. SMAD3 plays an essential role in development and maintenance of self-tolerance and is a critical mediator of the TGFB signaling pathway. SMAD3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

Storage

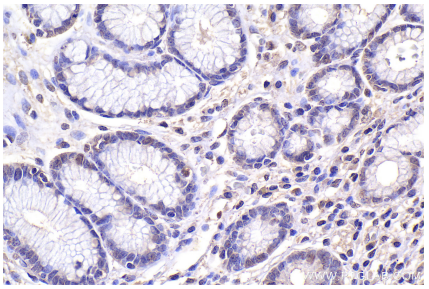
Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS Only

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

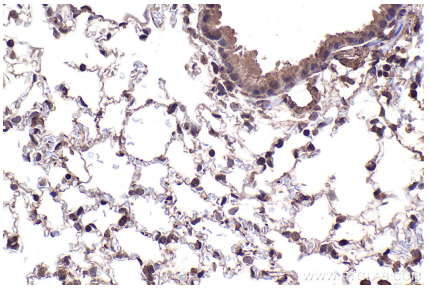
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 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.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 66516-1-Ig (SMAD3 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66516-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 66516-1-Ig (SMAD3 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66516-1-PBS in a different storage buffer formulation.