

For Research Use Only

SMAD3 Monoclonal ANTIBODY



Catalog Number: 66516-1-Ig

Basic Information

Catalog Number:
66516-1-Ig

Size:
150 µg/150 µl

Source:
Mouse

Isotype:
IgG1

Purification Method:
Protein G purification

Immunogen Catalog Number:

GenBank Accession Number:
NM_005902

GeneID (NCBI):
4088

Full Name:
SMAD family member 3

Calculated MW:
48 kDa

Observed MW:
55-60 kDa

Recommended Dilutions:
WB 1:1000-1:6000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
Human, mouse

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

Positive Controls:

WB : Jurkat cells; HeLa cells

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 TGFβ signaling pathway. SMAD3 is involved in TGFβ dependent regulation of steroidogenesis and in T-cell response to TGFβ.

Notable Publications

Author	Pubmed ID	Journal	Application
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Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

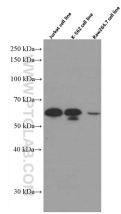
For technical support and original validation data for this product please contact:

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Selected Validation Data



Various cells were subjected to SDS PAGE followed by western blot with 66516-1-Ig (SMAD3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours