

Cat. No: AB-82128
Size: 100 ug
Clone: POLY
Concentration: 1mg/ml
Host: Rb
Isotype: IgG

Immunogen: A synthetic peptide corresponding to a sequence at the C-terminus of mouse Smad1(253-267aa AEISRGDVQAVAYEE), different from the related rat sequence by one amino acid, and different from the related human sequence by two amino acids.

Reactivity: Hu, Ms, Rt

Applications: Immunocytochemistry , 1:50 -1:200
 Immunohistochemistry(Paraffin-embedded Section), 1:50-1:200, Human, Rat, Mouse, By Heat
 Western blot, 1:500-1:2000 Human, Mouse, Rat
 Application details contain suggested dilutions. End user should optimize the final working concentrations.

Molecular Weight: 52kDa

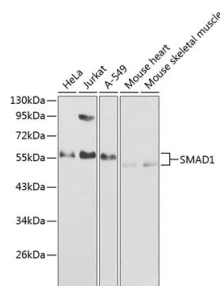
Purification: Aff. Pur.

Background: Transcriptional modulator activated by BMP (bone morphogenetic proteins) type 1 receptor kinase. SMAD1 is a receptor-regulated SMAD (R-SMAD) (By similarity). May play a role in the initiation and maintenance of spermatogenesis. SMAD1/OAZ1/PSMB4 complex mediates the degradation of the CREBBP/EP300 repressor SNIP1 (By similarity). May act synergistically with SMAD4 and YY1 in bone morphogenetic protein (BMP)-mediated cardiac-specific gene expression (PubMed:15329343).

Form: Liquid

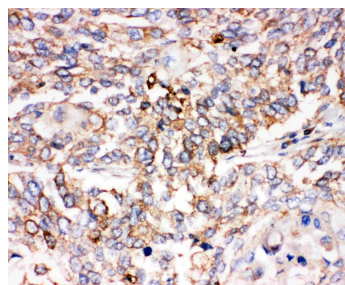
Buffer: PBS with 0,02% sodium azide, 50% glycerol pH7.3

Storage: At -20°C for one year. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

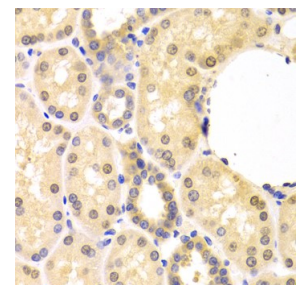


Western blot analysis of extracts of various cell lines, using SMAD1 antibody at 1:1000 dilution.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.
 Lysates/proteins: 25ug per lane.

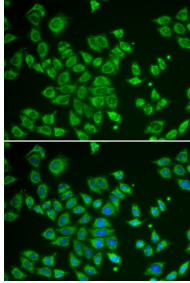


Anti-Smad1 antibody, IHC(P)
 IHC(P): Human Lung Cancer Tissue
 Anti-Smad1



Immunohistochemistry of paraffin-embedded human kidney using SMAD1 antibody at dilution of 1:100 (40x lens).

Blocking buffer: 3% nonfat dry milk in
TBST



Immunofluorescence analysis of HeLa
cells using SMAD1 antibody .Blue: DAPI
for nuclear staining.

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