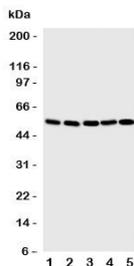


## SMAD1 Antibody (R31227)

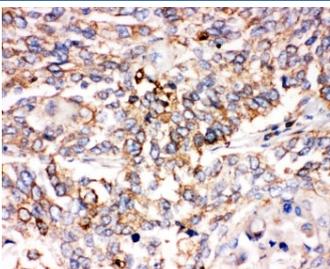
Catalog No.	Formulation	Size
R31227	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

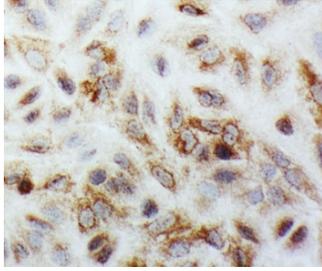
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
<b>UniProt</b>	P70340
<b>Applications</b>	Western Blot : 0.5-1ug/ml IHC (FFPE) : 0.5-1ug/ml Immunocytochemistry : 0.5-1ug/ml
<b>Limitations</b>	This SMAD1 antibody is available for research use only.



Western blot testing of SMAD1 antibody and Lane 1: SMMC-7721; 2: K562; 3: HT1080; 4: HeLa; 5: Jurkat cell lysate. Predicted molecular weight: 52~60 kDa.



IHC-P: SMAD1 antibody testing of human lung cancer tissue



ICC testing of SMAD1 antibody and A549 cells

## Description

Mothers against decapentaplegic homolog 1, also known as SMAD family member 1, is a protein that in humans is encoded by the SMAD1 gene. SMAD1 belongs to the SMAD, a family of proteins similar to the gene products of the *Drosophila* gene mothers against decapentaplegic (Mad) and the *C. elegans* gene Sma. The gene was assigned to human chromosome 4q31.21. SMAD proteins are signal transducers and transcriptional modulators that mediate multiple signaling pathways.

## Application Notes

The stated application concentrations are suggested starting amounts. Titration of the SMAD1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

An amino acid sequence from the C-terminus of mouse SMAD family member 1 (AEISRGDVQAVAYEE) was used as the immunogen for this Smad1 antibody.

## Storage

After reconstitution, the SMAD1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.