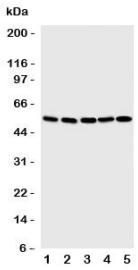
SMAD1 Antibody (R31227)

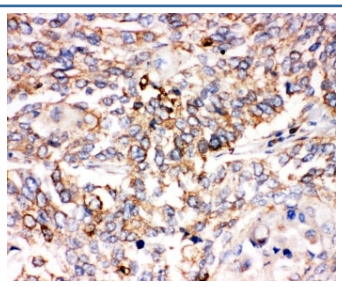
Catalog No.	Formulation	Size
R31227	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

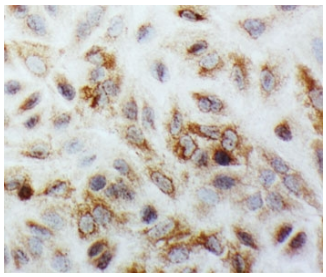
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P70340
Applications	Western Blot : 0.5-1ug/ml IHC (FFPE) : 0.5-1ug/ml Immunocytochemistry : 0.5-1ug/ml
Limitations	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 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.