

## Basic Information

Product Name	Anti-SMAD3 Antibody (Clone#FG-19)	
Gene Name	SMAD3	
Source	Rabbit	
Clonality	Monoclonal	
Isotype	IgG	
Species Reactivity	human, mouse, rat	
Tested Application	WB, IHC, ICC/IF, FCM	
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.	
Immunogen	A synthesized peptide derived from human Smad3	
Concentration	500 ug/ml	
Purification	Affinity-chromatography	
Observed MW	58 kDa	
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-200 Immunocytochemistry/Immunofluorescence (ICC/IF): 1:50-200 Flow Cytometry (FCM): 1:50	

## Storage

12 months from date of receipt, -20°C as supplied.

## Background Information

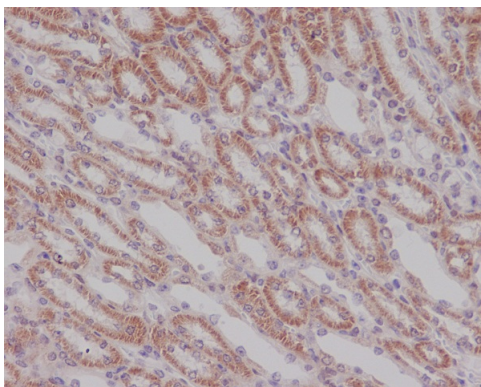
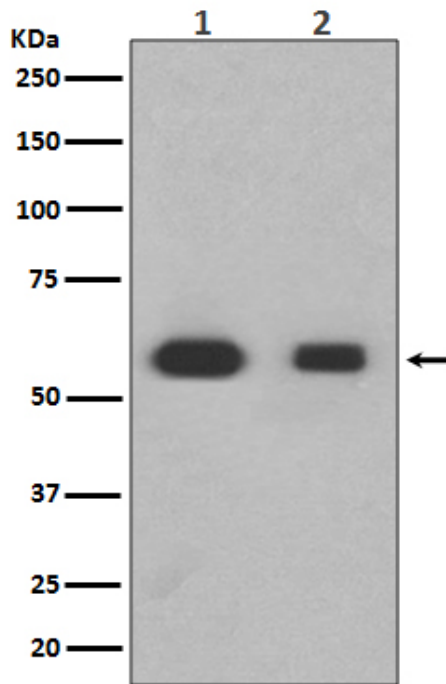
Mothers against decapentaplegic homolog 3 also known as SMAD family member 3 or SMAD3 is a protein that in humans is encoded by the SMAD3 gene. SMAD3 is a member of the SMAD family of proteins. It is located in 15q22.33. And it mediates the signals from the transforming growth factor beta (TGF- $\beta$ ) super family ligands that regulate cell proliferation, differentiation and death. Based on its essential role in TGF beta signaling pathway, SMAD3 has been related with tumor growth in cancer development.

## Reference

Anti-SMAD3 Antibody (Clone#FG-19)被引用在19文献中。

## Selected Validation Data

Western blot analysis of Smad3 expression in (1) Jurkat cell lysate; (2) Rat liver lysate.



Immunohistochemical analysis of paraffin-embedded mouse kidney, using Smad3 Antibody.

Product datasheet

**Anti-SMAD3 Antibody (Clone#FG-19)**

**Catalog Number: BM3919**

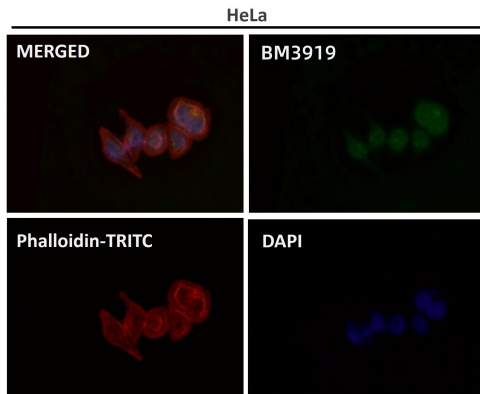


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Immunofluorescent analysis using the Antibody.