

# SMAD4 Monoclonal Antibody (4G1C6)

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse
Published Species	Human
Host/Isotope	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	4G1C6
Conjugate	Unconjugated
Immunogen	Purified recombinant fragment of human SMAD4 expressed in E. Coli.
Form	Liquid
Storage buffer	ascites
Contains	0.03% sodium azide
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_10986059

Applications	Tested	Dilution	Published
Immunohistochemistry (Paraffin) (IHC (P))	-		1 Publication
Flow Cytometry (Flow)	✓	1/200 - 1/400	
Immunocytochemistry (ICC)	✓	1:200-1:1000	
Immunofluorescence (IF)	✓	1/200 - 1/1000	
Immunohistochemistry (IHC)	✓	1/200 - 1/1000	
Western Blot (WB)	✓	1/500 - 1/2000	

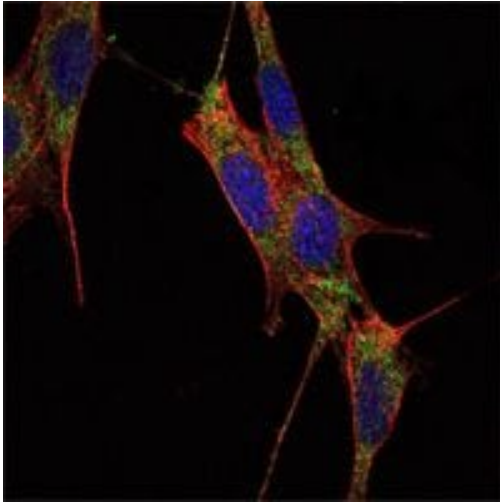
## Product Specific Information

MA5-15682 targets SMAD4 in FACS, IF, IHC, and WB applications and shows reactivity with Human samples.

The MA5-15682 immunogen is purified recombinant fragment of human SMAD4 expressed in E. Coli.

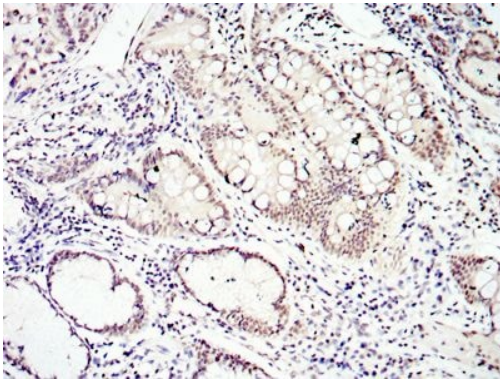
MA5-15682 detects SMAD4 which has a predicted molecular weight of approximately 65kDa.

## Product Images For SMAD4 Monoclonal Antibody (4G1C6)



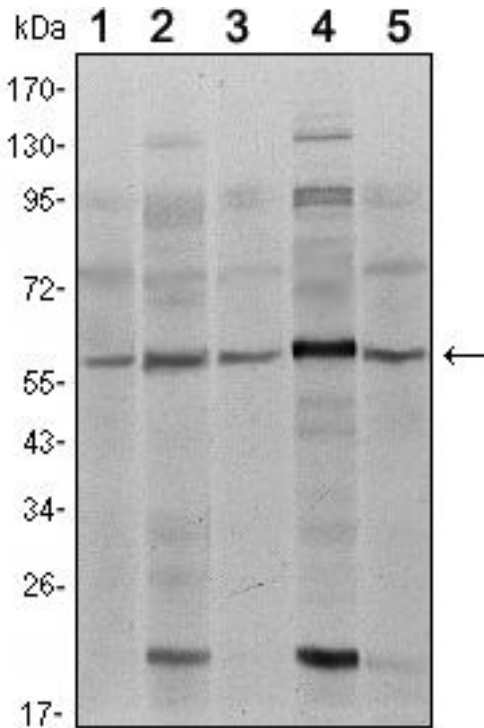
### SMAD4 Antibody (MA5-15682) in IF

Immunofluorescence analysis of NIH/3T3 cells using SMAD4 monoclonal antibody (Product # MA5-15682) (Green). Blue: DRAQ5 fluorescent DNA dye. Red: actin filaments have been labeled with phalloidin.



### SMAD4 Antibody (MA5-15682) in IHC

Immunohistochemical analysis of paraffin-embedded lung cancer tissues using SMAD4 monoclonal antibody (Product # MA5-15682) followed with DAB staining.



### SMAD4 Antibody (MA5-15682) in WB

Western blot analysis of SMAD4 using SMAD4 monoclonal antibody (Product # MA5-15682) in A431 (1), SK-N-SH (2), K562 (3), HepG2 (4) and HUVE12 (5) cell lysate.

1 Reference

Immunohistochemistry (Paraffin) (1)

Aging

**MiR-34a-3p alters proliferation and apoptosis of meningioma cells *in vitro* and is directly targeting SMAD4, FRAT1 and BCL2.**

"MA515682 was used in immunohistochemistry - paraffin section to report that SMAD4, FRAT1, and BCL2 are direct targets of miR-34a-3p and miR-34a-3p dysregulation modulates proliferation and apoptosis of meningioma cells"

Authors: Werner TV,Hart M,Nickels R,Kim YJ,Menger MD,Bohle RM,Keller A,Ludwig N,Meese E

**Species**  
Human

**Dilution**  
Not Cited

**Year**  
2017

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