

SMAD2 Monoclonal Antibody (5G7)

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse
Published Species	Human
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	5G7
Conjugate	Unconjugated
Immunogen	Purified recombinant fragment of human SMAD2 expressed in E. Coli.
Form	Liquid
Concentration	Conc. Not Determined
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_11153038

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:2,000	-
Immunohistochemistry (IHC)	1:200-1:1,000	-
Immunocytochemistry (ICC/IF)	1:200-1:1,000	1 Publication
Flow Cytometry (Flow)	1/200 - 1/400	-
ELISA (ELISA)	1:10,000	-

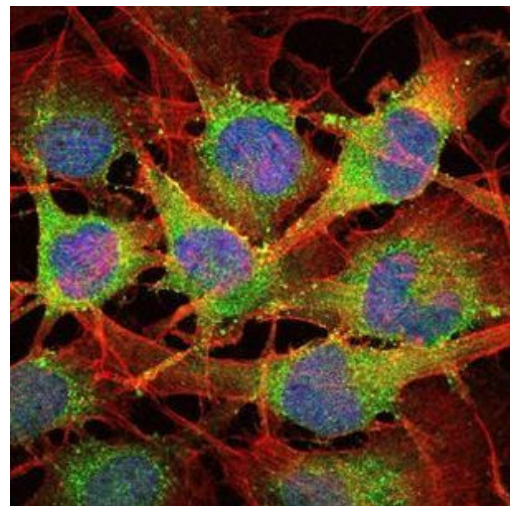
Product Specific Information

MA5-15877 targets SMAD2 in FACS, IF, IHC, and WB applications and shows reactivity with Human samples.

The MA5-15877 immunogen is purified recombinant fragment of human SMAD2 expressed in E. Coli. .

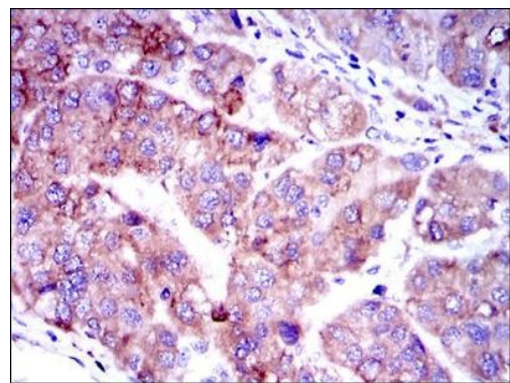
MA5-15877 detects SMAD2 which has a predicted molecular weight of approximately 52kDa.

Product Images For SMAD2 Monoclonal Antibody (5G7)



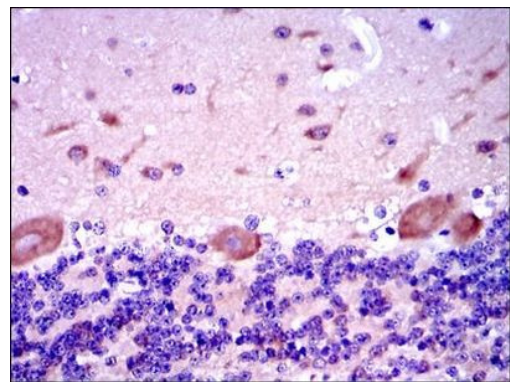
SMAD2 Antibody (MA5-15877) in ICC/IF

Immunofluorescence analysis of U251 cells using SMAD2 monoclonal antibody (Product # MA5-15877) (Green). Blue: DRAQ5 fluorescent DNA dye. Red: actin filaments have been labeled with phalloidin.



SMAD2 Antibody (MA5-15877) in IHC (P)

Immunohistochemical analysis of paraffin-embedded human liver cancer tissues using SMAD2 monoclonal antibody (Product # MA5-15877) followed with DAB staining.



SMAD2 Antibody (MA5-15877) in IHC (P)

Immunohistochemical analysis of paraffin-embedded human cerebellum tissues using SMAD2 monoclonal antibody (Product # MA5-15877) followed with DAB staining.

[View more figures on thermofisher.com](https://www.thermofisher.com)

Immunocytochemistry (1)

<p>Pflugers Archiv : European journal of physiology</p> <p>TGF-1 increases permeability of ciliated airway epithelia via redistribution of claudin 3 from tight junction into cell nuclei.</p> <p>"MA5-15877 was used in Immunocytochemistry to conclude that the observed effects contribute to loss of epithelial integrity during atopic asthma."</p> <p>Authors: Schilpp C,Lochbaum R,Braubach P,Jonigk D,Frick M,Dietl P,Wittekindt OH</p>	<p>Year 2021</p> <p>Species Human</p> <p>Dilution 1:500</p>
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