

Anti-SMAD2 antibody (1-100) [S1MR] (STJ11101651)

STJ11101651

GENERAL INFORMATION

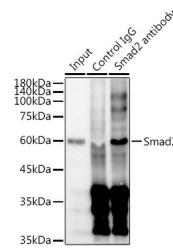
Product Type	Primary antibodies
Short Description	
Applications	WB/IF/ICC/IP/ELISA
Host/Source	Rabbit
Reactivity	Human/Mouse/Rat

PRODUCT PROPERTIES

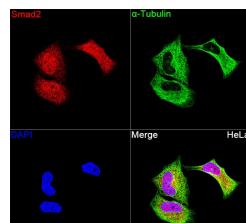
Clonality	Monoclonal
Clone ID	S1MR
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:1000-1:2000 IF/ICC:1:100-1:400 IP:0.5 Mu g-4 Mu g antibody for 200 Mu g-400 Mu g extracts of whole cells ELISA:Recommended starting concentration is 1 Mu g/mL. Please optimize the concentration based on your specific assay requirements
Formulation	PBS with 0.02% Sodium Azide, 0.05% BSA, 50% Glycerol, pH 7.3.
Isotype	IgG
Storage	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.
Instruction	

TARGET INFORMATION

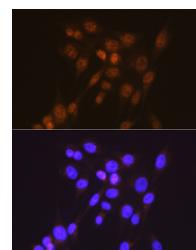
Gene ID	4087
Gene Symbol	SMAD2
Uniprot ID	SMAD2_HUMAN
Immunogen	
Immunogen	1-100
Region	
Specificity	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human Smad2 (Q15796).
Immunogen	MSSILPFTPPVVKRLLGWKK SAGGSAGGGEQNGQEEKW CEKAVKSLVKKLKKTGRLDE LEKAITTQNCNTKCVTIPST
Sequence	CSEIWGLSTPTNTIDQWDTTG



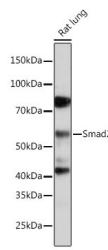
Immunoprecipitation analysis of 300 Mu g extracts of HeLa cells using 3 Mu g Smad2 antibody (STJ11101651). Western blot was performed from the immunoprecipitate using Smad2 antibody (STJ11101651) at a dilution of 1:1000.



Confocal imaging of HeLa cells using [KD Validated] Smad2 Rabbit monoclonal antibody (STJ11101651, dilution 1:100) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (dilution 1:500) (Red). The cells were counterstained with α-Tubulin (green) and Mouse monoclonal antibody (dilution 1:400) followed by incubation with ABFluor® 488-conjugated Goat Anti-Mouse IgG (H+L) antibody (dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



Immunofluorescence analysis of NIH/3T3 cells using [KD Validated] Smad2 Rabbit monoclonal antibody (STJ11101651) at dilution of 1:100 (40x lens). Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJ5000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% nonfat dry milk in TBS-T. Detection: ECL Basic Kit. Exposure time: 3min.



Western blot analysis of lysates from Rat lung, using [KD Validated] Smad2 Rabbit monoclonal antibody (STJ11101651) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJ5000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% nonfat dry milk in TBS-T. Detection: ECL Basic Kit. Exposure time: 3min.