Anti-Smad1/5/9 Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P105059

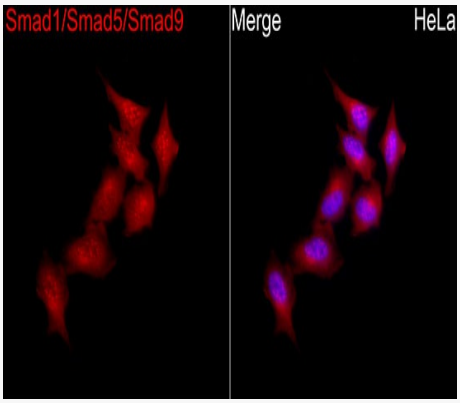
Product Information

Application	WB, IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse
Dilution	WB 1:500~1:1,000; IF 1:50~1:200
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 19-125 of human Smad1/Smad5/Smad9(NP_005891.1).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Smad1/5/9 Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

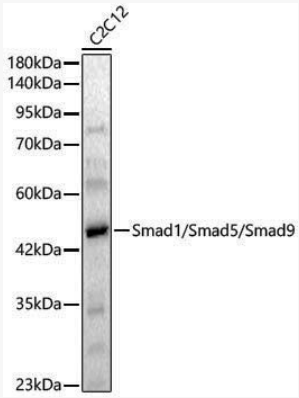
Protein Information

Synonyms	Smad1/Smad5/Smad9.
Calculated MW	Calculated MW: 52 kDa; Observed MW: 52 kDa
Uniprot ID	Q15797, Q99717, O15198
Gene ID	4086, 4090, 4093
Background	Transcriptional modulator activated by BMP (bone morphogenetic proteins) type 1 receptor kinase. SMAD1 is a receptor-regulated SMAD (R-SMAD). SMAD1/OAZ1/PSMB4 complex mediates the degradation of the CREBBP/EP300 repressor SNIP1. May act synergistically with SMAD4 and YY1 in bone morphogenetic protein (BMP)-mediated cardiac-specific gene expression.

Validation Images



Immunofluorescence analysis of HeLa cells using Smad1/Smad5/Smad9 Rabbit pAb(P105059) at a dilution of 1:100 (40× lens). Secondary antibody:Cy3 Goat Anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Western blot analysis of lysates from C2C12 cells using Smad1/Smad5/Smad9 Rabbit pAb (P105059) at 1:1,000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Kit.
Exposure time: 15s.