



Order: (888)-282-5810 (Phone)
(818)-707-0392 (Fax)
order@abiocode.com
Web: www.Abiocode.com

SMAD2/3 (N) Antibody, Rabbit Polyclonal

Cat#: R1169-1

Quantity: 100 ul

Predicted | Observed MW: 48 | 58 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: P84022

Background:

Mothers against decapentaplegic homolog 3 (SMAD3) belongs to the dwarfin/SMAD family. SMAD3 is a receptor-regulated SMAD (R-SMAD) that is an intracellular signal transducer and transcriptional modulator activated by TGF-beta (transforming growth factor) and activin type 1 receptor kinases. It binds the TRE element in the promoter region of many genes that are regulated by TGF-beta and, on formation of the SMAD3/SMAD4 complex, activates transcription. SMAD3 is a regulator of chondrogenesis and osteogenesis and inhibits early healing of bone fractures.

Other Names:

Mothers against decapentaplegic homolog 3, MAD homolog 3, Mad3, Mothers against DPP homolog 3, hMAD-3, JV15-2, SMAD family member 3, SMAD 3, Smad3, hSMAD3, MADH3

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of human SMAD3. Antibodies were purified by affinity purification using immunogen.

Storage Buffer and Condition:

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN₃. Store at -20 °C. Stable for 6 months from date of receipt.

Species Specificity:

Human, Mouse

Tested Applications:

WB: 1:500-1:2,000 (detect endogenous protein*)

*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

Product Data:

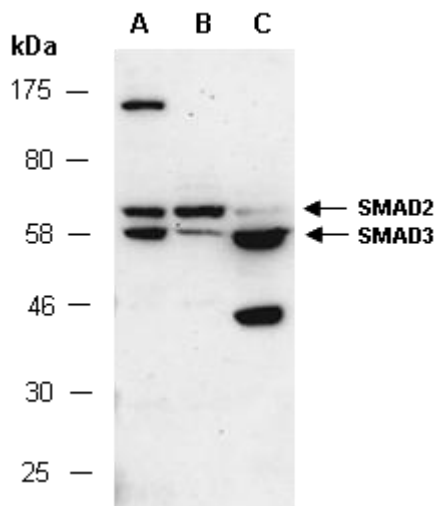


Fig 1. Western blot of total cell extracts from (A) human HeLa, (B) human Jurkat, and (C) mouse liver, using Ab (R1169-1) at RT for 2 h. This antibody is raised against human SMAD3, while it cross-reacts with SMAD2.