

Smad1/Smad5/Smad8 Antibody

Catalog No: #21684

Package Size: #21684-1 50ul #21684-2 100ul

Description

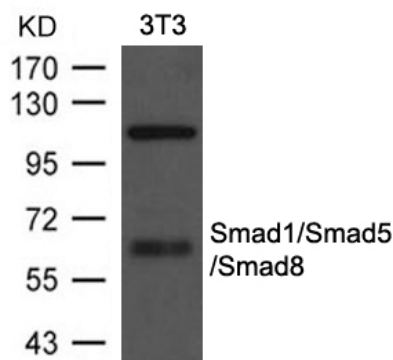
Product Name	Smad1/Smad5/Smad8 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total Smad1, Smad5, Smad8 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.461-465(I-S-S-V-S) derived from Human Smad1. This sequence has the same homology in Smad5 and Smad8.
Conjugates	Unconjugated
Target Name	Smad1/Smad5/Smad8
Other Names	Mad-related protein 1, SMAD 1, hSMAD1, Transforming growth factor-beta-signaling protein 1,
Accession No.	Swiss-Prot:Q15797Gene ID:4086
Concentration	1.0mg/ml

Application Details

Predicted MW: 60kd

Western blotting: 1: 500~1: 1000

Images



Western blot analysis of extracts from 3T3 cells using Smad1/Smad5/Smad8 Antibody #21684.

Background

Transcriptional modulator activated by BMP (bone morphogenetic proteins) type 1 receptor kinase. SMAD1 is a receptor-regulated SMAD (R-SMAD). SMAD5 is a receptor-regulated SMAD (R-SMAD). SMAD9 is a receptor-regulated SMAD (R-SMAD). Has been shown to be activated by activin type I receptor-like kinases (ALK-2, ALK-3, ALK-6) which stimulate heteromerization between SMAD9 and SMAD4. May play a role in osteoblast differentiation and maturation.

Published Papers

el at., Inhibition of TGF ϵ ~Y signaling decreases osteogenic differentiation of fibrodysplasia ossificans progressiva fibroblasts in a novel in vitro model of the disease. In Bone. On 2016 Mar by Micha D, Voermans E et al.. PMID:26769004, , (2016)

[PMID:26769004](#)

el at., Vital Roles of Gremlin-1 in Pulmonary Arterial Hypertension Induced by Systemic-to-Pulmonary Shunts. In J Am Heart Assoc on 2020 Aug 4 by Liukun

Meng, Xiao Teng, et al.. PMID: 32750294, , (2020)

[PMID:32750294](#)

el at., Hepatoprotective and neuroprotective effects of quinacrine against bile duct ligation-induced hepatic encephalopathy in rats: Role of bone morphogenetic proteins signaling. In Life Sci on 2024 Nov 12 by Manar M Esmail, Noha M Saeed, et al.. PMID:39537098, , (2024)

[PMID:39537098](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.