

Smad2/3 (Phospho-Thr8) Polyclonal Antibody

Catalog No: #12241

Package Size: #12241-1 50ul #12241-2 100ul

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Description

Product Name	Smad2/3 (Phospho-Thr8) Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB;IF;ELISA
Species Reactivity	Human;Mouse;Rat
Specificity	Phospho-Smad2/3 (T8) Polyclonal Antibody detects endogenous levels of Smad2/3 protein only when phosphorylated at T8.
Immunogen Description	Synthesized peptide derived from human Smad2/3 around the phosphorylation site of T8.
Conjugates	Unconjugated
Target Name	Smad2/3
Modification	Phospho
Other Names	SMAD2; MADH2; MADR2; Mothers against decapentaplegic homolog 2; MAD homolog 2; Mothers against DPP homolog 2; JV18-1; Mad-related protein 2; hMAD-2; SMAD family member 2; SMAD 2; Smad2; hSMAD2; SMAD3; MADH3; Mothers against decapentaplegic
Accession No.	Swiss-Prot: Q15796/P84022NCBI Gene ID: 4087/4088
Target Species	human
Calculated MW	48/52kDa
SDS-PAGE MW	55-62kDa
Concentration	1mg/ml
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C/1 year

Application Details

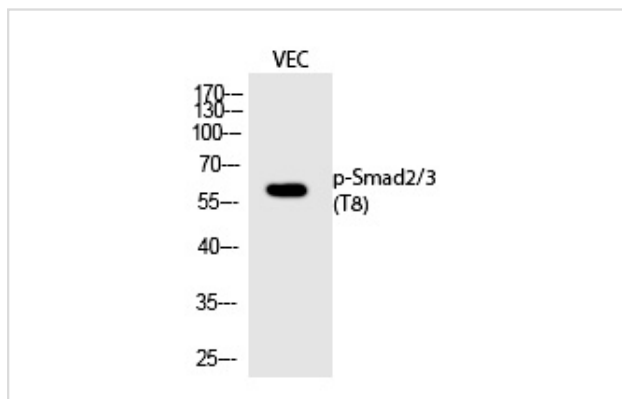
Western blotting: 1/500 - 1/2000

ELISA: 1/10000

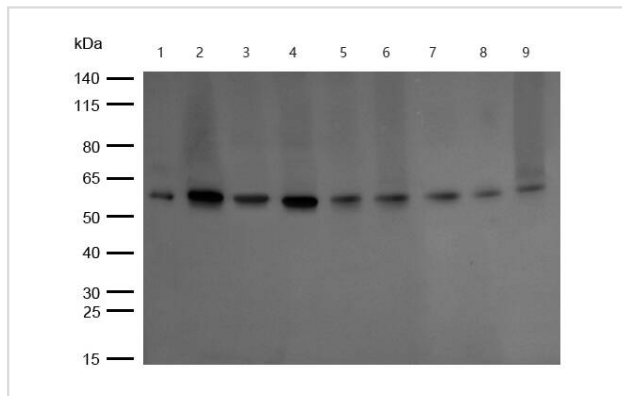
Not yet tested in other applications

IF ICC 1:100-500;

Images



Western Blot analysis of VEC cells using Phospho-Smad2/3 (T8) Polyclonal Antibody



All lanes : Smad2/3 (Phospho-Thr8) Polyclonal Antibody at 1/500 dilution Lane 1 : 293T whole cell lysates Lane 2 : 293T treated with 20ng/ml TNF α for 30min whole cell lysates Lane 3 : 3T3 whole cell lysates Lane 4 : 3T3 treated with 20ng/ml TNF α for 30min whole cell lysates Lane 5 : Rat brain lysate Lane 6 : Mouse brain lysate Lane 7 : Rat liver lysate Lane 8 : Mouse liver lysate Lane 9 : Mouse kidney lysate Lysates at 20 μ g per lane. Secondary All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution Predicted band size: 48 kDa Observed band size: 58-62 kDa Exposure time: 2 seconds

Published Papers

el at., Folic acid prevents methotrexate-induced epithelial-mesenchymal transition via suppression of secreted factors from the human alveolar epithelial cell line A549. In *Biochem Biophys Res Commun*. On 2018 Feb 26 by Kawami M, Harabayashi R et al.. PMID:29448106, (2018)

[PMID:29448106](#)

el at., Arsenic trioxide Inhibits the differentiation of fibroblasts to myofibroblasts through nuclear factor erythroid 2-like 2 (NFE2L2) protein and the Smad2/3 pathway. In *J Cell Physiol* on 2019 Mar by Zhong L, Hao H, et al.. PMID:30317545, (2019)

[PMID:30317545](#)

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