Product Datasheet

Smad3 (Phospho-Ser204) Antibody

Catalog No: #11916

Package Size: #11916-1 50ul #11916-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

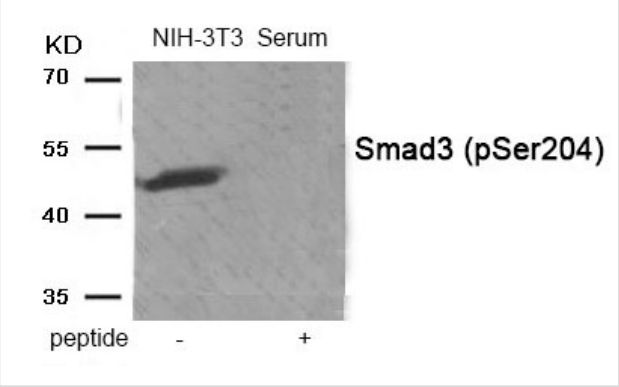
Description

Product Name	Smad3 (Phospho-Ser204) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Applications	WB
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous level of Smad3 only when phosphorylated at serine 204.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine204(A-G-S(p)-P-N) derived from Human Smad3 .
Target Name	Smad3
Modification	Phospho
Other Names	JV15-2; MAD-3; MADH3; Smad 3; Mothers against decapentaplegic homolog 3
Accession No.	Swiss-Prot#: P84022; NCBI Gene#: 4088; NCBI Protein#: NP_001138574.1
Uniprot	P84022
GeneID	4088;
SDS-PAGE MW	48kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from NIH-3T3 cells treated with Serum using Phospho-Smad3 (Ser204) antibody #11916.The lane on the right is treated with the antigen-specific peptide.

Background

Smad3 encoded by this gene belongs to the SMAD, a family of proteins similar to the gene products of the Drosophila gene 'mothers against decapentaplegic' (Mad) and the C. elegans gene Sma. SMAD proteins are signal transducers and transcriptional modulators that mediate multiple signaling pathways. This protein functions as a transcriptional modulator activated by transforming growth factor-beta and is thought to play a role in the regulation of carcinogenesis.

Cohen-Solal KA, et al. (2011) Pigment Cell Melanoma Res 24, 512-24

Seong HA, Jung H, Ha H (2010) J Biol Chem 285, 30959-70

Zelivianski S, Cooley A, Kall R, Jeruss JS (2010) Mol Cancer Res 8, 1375-87

Note: This product is for in vitro research use only