

## Smad3 (Phospho-Thr179) Antibody

Catalog No: #11955

Package Size: #11955-1 50ul #11955-2 100ul

Orders: order@signalwayantibody.com

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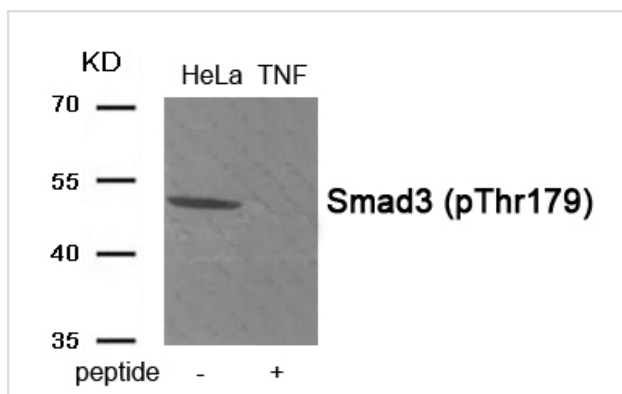
## Description

Product Name	Smad3 (Phospho-Thr179) 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 chromatography using non-phosphopeptide.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of Smad3 only when phosphorylated at threonine 179.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of threonine179(P-E-T(p)-P-P) 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	50kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), 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 HeLa cells treated with TNF using Phospho-Smad3 (Thr179) antibody #11955. The lane on the right is treated with the antigen-specific peptide.

## Background

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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

Zelivianski S, Cooley A, Kall R, Jeruss JS (2010) *Mol*

*Cancer Res* 8, 1375-87

Matsuura I, et al. (2010) *J Biol Chem* 285, 1754-64

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Note: This product is for in vitro research use only