

Smad3(Phospho Ser204) Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP14300
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human Smad3 around the phosphorylation site of Ser204. AA range:170-219
Mol wt	48081
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF, ICC, ELISA
Concentration	1 mg/ml
Full name	Mothers against decapentaplegic homolog 3
Synonyms	Mothers against decapentaplegic homolog 3; SMAD3; MADH3; 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

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

The protein 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.

Recommended Dilution

WB: 1: 500 - 1: 2000

IHC-p: 1: 100 - 1: 300

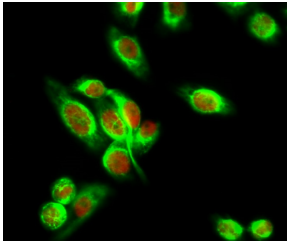
IF: 1: 200 - 1: 1000

ICC: 1: 200 - 1: 1000

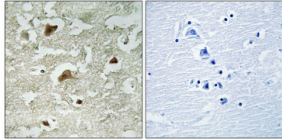
ELISA: 1: 20000

Not yet tested in other applications.

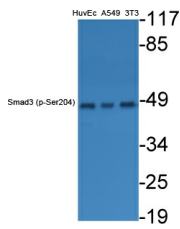
Images



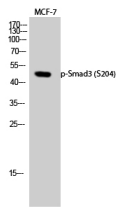
Immunofluorescence analysis of HeLa cell. Smad3 (phospho Ser204) Polyclonal Antibody(Red) was diluted at 1:200(4°C overnight). LC3A mouse Monoclonal Antibody(5G10)(Green) was diluted at 1:200(4°C overnight).



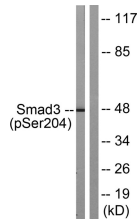
Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100(4°C overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtained from antibody was pre-absorbed by immunogen peptide.



Western Blot analysis of various cells using Phospho-Smad3 (S204) Polyclonal Antibody diluted at 1:500



Western Blot analysis of MCF-7 cells using Phospho-Smad3 (S204) Polyclonal Antibody diluted at 1:500



Western blot analysis of lysates from NIH/3T3 cells treated with Serum 20% 15', using Smad3 (Phospho-Ser204) Antibody. The lane on the right is blocked with the phospho peptide.

Storage

-20°C for 1 year

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