



# ELK Biotechnology

Smad3 (4C9) Mouse mAb

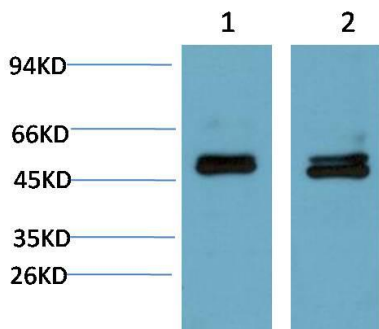
Catalog NO.: EM1315

For research use only.

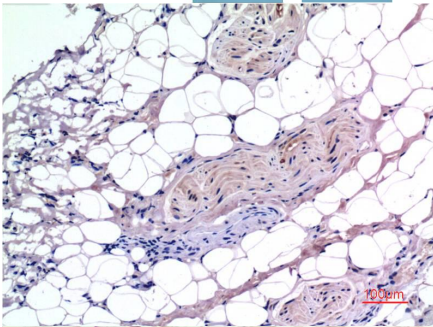
## Overview

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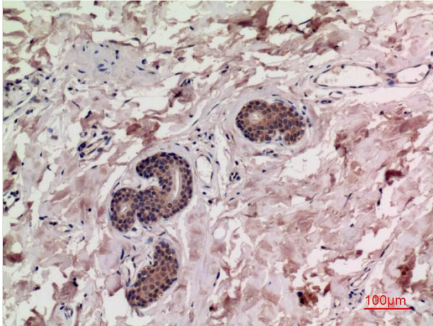
Product name	Smad3 (4C9) Mouse Monoclonal antibody
Source	Mouse
Applications	<b>WB IHC</b>
Species reactivity	<b>Human Rat Mouse</b>
Recommended dilutions	<b>WesternBlot:1/1000-2000</b> <b>Immunohistochemistry:1/100-200</b> <b>NOTE: Optimal dilutions should be determined by the end user.</b>
Immunogen	Synthetic Peptide
Species	Human
Storage	PBS with 0.02% sodium azide and 50% glycerol pH 7.4. Store at -20° C. Avoid repeated freeze-thaw cycles.
Isotype	IgG1
Clonality	Monoclonal
Concentration	1 mg/ml
Observed band	<b>52kDa</b>
GeneID (Human)	4088
Human Swiss-Prot No.	P84022
Cellular localization	Cytoplasm Nucleus
Alternative Names	hMAD3 antibody HSPC193 antibody LDS1C antibody MADH3 antibody JV15 2 antibody
Background	Receptor-regulated SMAD (R-SMAD) that is an intracellular signal transducer and transcriptional modulator activated by TGF-beta (transforming growth factor) and activin type receptor kinases. Binds the TRE element in the promoter region of many genes that are regulated by TGF-beta and on formation of the SMAD3/SMAD4 complex activates transcription.



Western blot analysis of) Mouse Brain Tissue Lysate 2) Rat Brain Tissue Lysate using Smad3 (EM1315) Mouse mAb diluted at:2000.



Immunohistochemical analysis of paraffin-embedded Human Liver Carcinoma Tissue using Smad3 (EM1315) Mouse mAb diluted at:200.



Immunohistochemical analysis of paraffin-embedded Human Breast Carcinoma Tissue using Smad3 (EM1315) Mouse mAb diluted at:200.