

# Product Datasheet

## Smad1 Antibody (2E9) - Azide and BSA Free H00004086-M03

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**H00004086-M03**

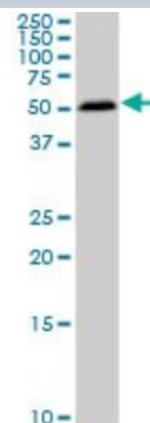
Smad1 Antibody (2E9) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	2E9
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	Protein A purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	4086
Gene Symbol	SMAD1
Species	Human, Mouse, Rat
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information.
Specificity/Sensitivity	SMAD1 (2E9)
Immunogen	SMAD1 (AAH01878.1, 1 a.a. ~ 465 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MNVTSLFSFTSPAVKRLLGWKQGDEEEKWAEKAVDALVKKLKKKKGAMEELE KALSCPGQPSNCVTIPRSLDGRLQVSHRKGLPHVIYCRVWRWPDQLQSHHELK PLECCEFPFGSKQKEVCINPYHYKRVESPVLPVLPVRHSEYNPQHSLLAQFR NLGQNEPHMPLNATFPDSFQQPNSHPPHSPNSSYPNSPGSSSSTYPHSPTS SDPGSPFQMPADTPPPAYLPPEDPMTQDGSQPMDTNMMAPPLPSEINRGDV QAVAYECPKHWCSIVYYELNNRVGEAFHASSTSVLVDGFTDPSNNKNRFCLGL LSNVNRNSTIENTRRHIGKGVHLYYVGGEVYAECLSDSSIFVQSRNCNYHHGF HPTTVCKIPSGCSLKIFNNQEFAQLLAQSVNHGFETVYELTKMCTIRMSFVKGW GAEYHRQDVTSTPCWIEIHLHGPLQWLDKVLTMGSPHNPISSVS
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500, ELISA, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500
Application Notes	Antibody reactivity against cell lysate and recombinant protein for WB. It has also been used for IF, IHC-P and ELISA.

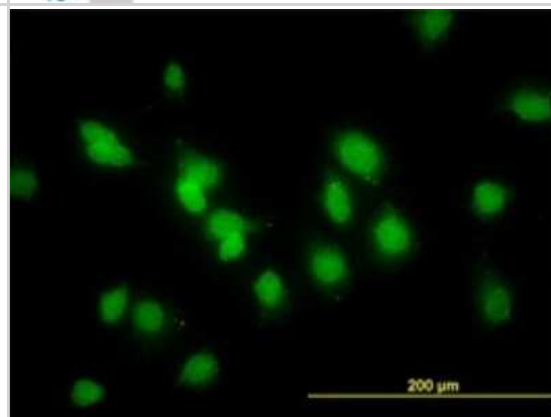


## Images

Western Blot: Smad1 Antibody (2E9) [H00004086-M03] - Analysis of SMAD1 expression in NIH/3T3 (Cat # L018V1).



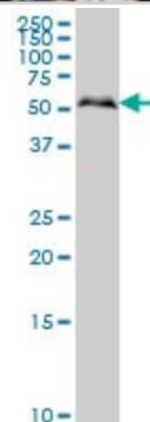
Immunocytochemistry/Immunofluorescence: Smad1 Antibody (2E9) [H00004086-M03] - Analysis of monoclonal antibody to SMAD1 on HeLa cell. Antibody concentration 10 ug/ml



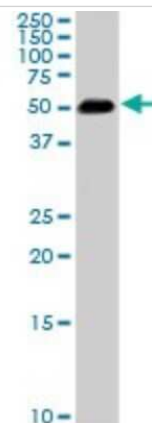
Immunohistochemistry-Paraffin: Smad1 Antibody (2E9) [H00004086-M03] - Analysis of monoclonal antibody to SMAD1 on formalin-fixed paraffin-embedded human colon. Antibody concentration 3 ug/ml



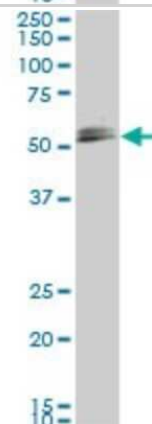
Western Blot: Smad1 Antibody (2E9) [H00004086-M03] - Analysis of SMAD1 expression in HeLa (Cat # L013V1).



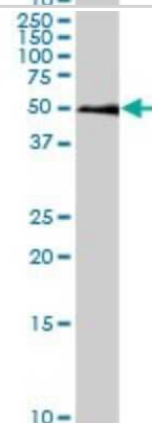
Western Blot: Smad1 Antibody (2E9) [H00004086-M03] - Analysis of SMAD1 expression in PC-12 (Cat # L012V1).



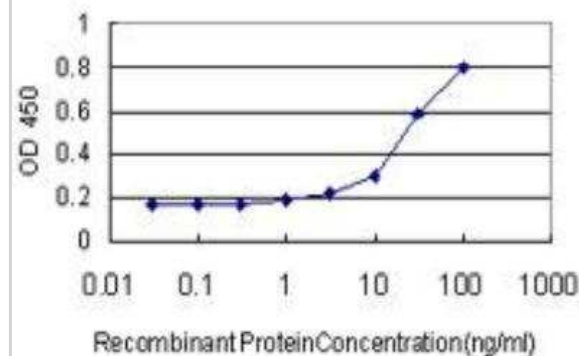
Western Blot: Smad1 Antibody (2E9) [H00004086-M03] - Analysis of SMAD1 expression in IMR-32 (Cat # L008V1).



Western Blot: Smad1 Antibody (2E9) [H00004086-M03] - Analysis of SMAD1 expression in Raw 264.7 (Cat # L024V1).



ELISA: Smad1 Antibody (2E9) [H00004086-M03] - Detection limit for recombinant GST tagged SMAD1 is approximately 1ng/ml as a capture antibody.



## Publications

Nakajima T, Yanagihara M, Nishii H. Temporal and regional patterns of Smad activation in the rat hippocampus following global ischemia. J Neurol Sci. 2013-11-19 [PMID: 24290497]



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### **Products Related to H00004086-M03**

NB800-PC1	HeLa Whole Cell Lysate
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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