

Product Datasheet

HNF-3 beta/FoxA2 Antibody (7E6) - Azide and BSA Free H00003170-M01

Unit Size: 0.1 mg

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

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H00003170-M01

HNF-3 beta/FoxA2 Antibody (7E6) - Azide and BSA Free

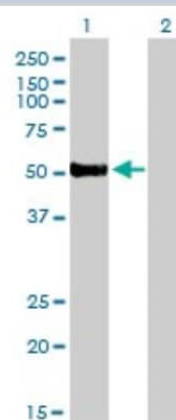
Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	7E6
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4

Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	3170
Gene Symbol	FOXA2
Species	Human, Mouse
Specificity/Sensitivity	FOXA2 - forkhead box A2
Immunogen	FOXA2 (NP_068556, 363 a.a. ~ 457 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. HLKPEHHYAFNHPFSINNLMSSEQQHHHSHHHHQPDKMDLKAYEQVMHYPGY GSPMPGSLAMGPVTNKTGLDASPLAADTSYYQGVYSRPIMNSS
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.

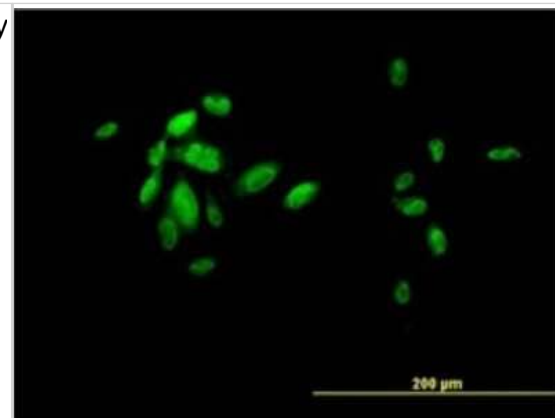
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Knockdown Validated
Recommended Dilutions	Western Blot 1:500, ELISA, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunoprecipitation 1:10-1:500, Knockdown Validated
Application Notes	Antibody reactivity against cell lysate and recombinant protein for WB. It has also been used for IF, RNAi Validation and ELISA.

Images

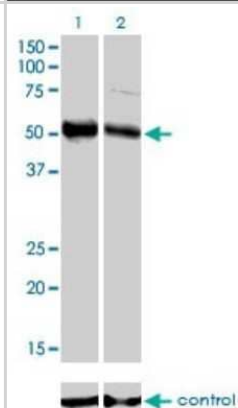
Western Blot: HNF-3 beta/FoxA2 Antibody (7E6) [H00003170-M01] - Analysis of FOXA2 expression in transfected 293T cell line by FOXA2 monoclonal antibody (M01), clone 7E6. Lane 1: FOXA2 transfected lysate(48.3 KDa). Lane 2: Non-transfected lysate.



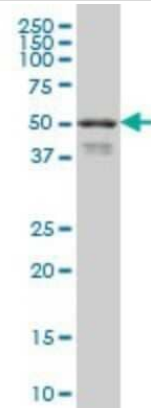
Immunocytochemistry/Immunofluorescence: HNF-3 beta/FoxA2 Antibody (7E6) [H00003170-M01] - Analysis of monoclonal antibody to FOXA2 on HepG2 cell. Antibody concentration 10 ug/ml.



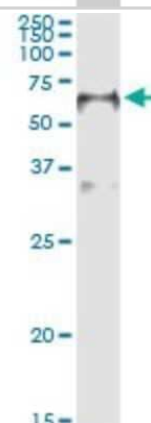
Western Blot: HNF-3 beta/FoxA2 Antibody (7E6) [H00003170-M01] - Analysis of FOXA2 over-expressed 293 cell line, cotransfected with FOXA2 Validated Chimera RNAi (Cat # H00003170-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with FOXA2 monoclonal antibody (M01), clone 7E6 (Cat # H00003170-M01). GAPDH (36.1 kDa) used as specificity and loading control.



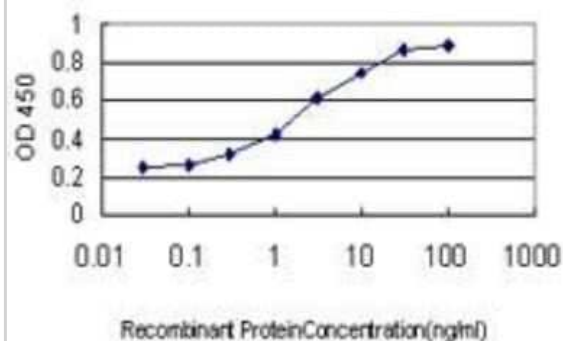
Western Blot: HNF-3 beta/FoxA2 Antibody (7E6) [H00003170-M01] - FOXA2 monoclonal antibody (M01), clone 7E6 Analysis of FOXA2 expression in HepG2.



Immunoprecipitation: HNF-3 beta/FoxA2 Antibody (7E6) [H00003170-M01] - Analysis of FOXA2 transfected lysate using anti-FOXA2 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with FOXA2 MaxPab rabbit polyclonal antibody.



ELISA: HNF-3 beta/FoxA2 Antibody (7E6) [H00003170-M01] - HNF-3 beta/FoxA2 Antibody (7E6) [H00003170-M01] - Detection limit for recombinant GST tagged FOXA2 is approximately 0.03ng/ml as a capture antibody.



Publications

S Mukherjee, DM Luedeke, L McCoy, M Iwafuchi, AM Zorn SOX transcription factors direct TCF-independent WNT/beta-catenin responsive transcription to govern cell fate in human pluripotent stem cells *Cell Reports*, 2022-08-23;40(8):111247. 2022-08-23 [PMID: 36001974]

Sanchez J, Rankin S, Paul E et al. Human organoid modeling of congenital malformations caused by RFX6 mutations reveal an essential role for this transcription factor in establishing and maintaining duodenal identity upstream of PDX1 *bioRxiv* 2023-11-11

McCracken KW and Wells JM. Generation of human antral and fundic gastric organoids from pluripotent stem cells. *Nat Protoc.* 2019-01-01 [PMID: 30470820]

Oz-Levi D, Olender T, Bar-Joseph I et al. Noncoding deletions reveal a gene that is critical for intestinal function *Nature* 2019-07-01 [PMID: 31217582] (ICC/IF, Human)

Miyawaki S, Kawamura Y, Oiwa Y et al. Tumour resistance in induced pluripotent stem cells derived from naked mole-rats. *Nat Commun* 2016-05-10 [PMID: 27161380]



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Products Related to H00003170-M01

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
NBP2-57623PEP	HNF-3 beta/FoxA2 Recombinant Protein Antigen

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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