

Product Datasheet

PITX1 Antibody (5G4) - Azide and BSA Free H00005307-M01

Unit Size: 0.1 mg

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

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H00005307-M01

PITX1 Antibody (5G4) - 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	5G4
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4

Product Description

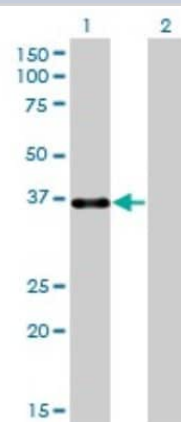
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	5307
Gene Symbol	PITX1
Species	Human
Specificity/Sensitivity	PITX1 - paired-like homeodomain transcription factor 1
Immunogen	PITX1 (NP_002644, 225 a.a. ~ 313 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MPSSMGPGAVPGMPNSGLNNINNLTGSSLSNSAMSPGACPYGTPASPYSVYRD TCNSSLASRLKSKQHSSFGYGGGLQGPASGLNACQYN
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.

Product Application Details

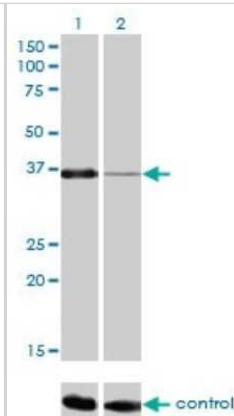
Applications	Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, Sandwich ELISA, Knockdown Validated
Recommended Dilutions	Western Blot 1:500, ELISA, Immunohistochemistry, Immunoprecipitation, Immunohistochemistry-Paraffin, Sandwich ELISA, Knockdown Validated
Application Notes	Antibody reactivity against cell lysate and recombinant protein for WB. It has been used for RNAi Validation and ELISA.

Images

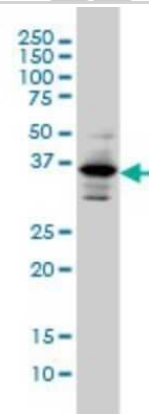
Western Blot: PITX1 Antibody (5G4) [H00005307-M01] - Analysis of PITX1 expression in transfected 293T cell line by PITX1 monoclonal antibody (M01), clone 5G4. Lane 1: PITX1 transfected lysate(34.1 KDa). Lane 2: Non-transfected lysate.



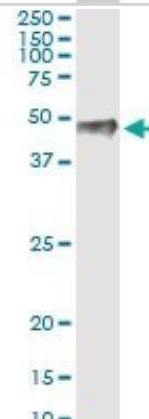
Western Blot: PITX1 Antibody (5G4) [H00005307-M01] - Analysis of PITX1 over-expressed 293 cell line, cotransfected with PITX1 Validated Chimera RNAi (Cat # H00005307-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with PITX1 monoclonal antibody (M01), clone 5G4 (Cat # H00005307-M01). GAPDH (36.1 kDa) used as specificity and loading control.



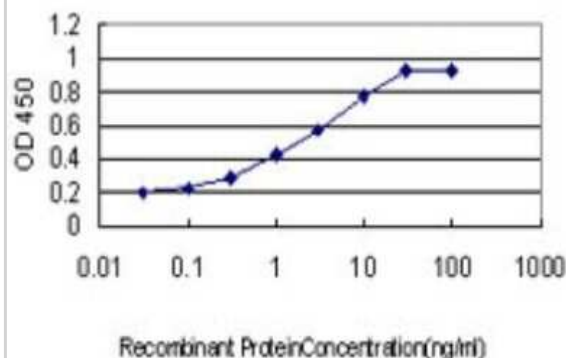
Western Blot: PITX1 Antibody (5G4) [H00005307-M01] - PITX1 monoclonal antibody (M01), clone 5G4 Analysis of PITX1 expression in Hela S3 NE.



Western Blot: PITX1 Antibody (5G4) [H00005307-M01] - Analysis of PITX1 transfected lysate using anti-PITX1 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with PITX1 MaxPab rabbit polyclonal antibody.



Sandwich ELISA: PITX1 Antibody (5G4) [H00005307-M01] - Detection limit for recombinant GST tagged PITX1 is approximately 0.03ng/ml as a capture antibody.



Publications

Qiao F, Gong P, Song Y et al. Downregulated PITX1 Modulated by MiR-19a-3p Promotes Cell Malignancy and Predicts a Poor Prognosis of Gastric Cancer by Affecting Transcriptionally Activated PDCD5. Cell Physiol Biochem 2018-05-03 [PMID: 29734189]

Liu DX, Lobie PE. Transcriptional activation of p53 by Pitx1. Cell Death Differ. 2007-11-01 [PMID: 17762884]

Yamaguchi T, Miki Y, Yoshida K. The c-Abl tyrosine kinase stabilizes Pitx1 in the apoptotic response to DNA damage. Apoptosis;15. 2010-08-01 [PMID: 20563669]





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Products Related to H00005307-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)
H00005307-P01-10ug	Recombinant Human PITX1 GST (N-Term) Protein

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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