

PITX1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant PITX1.

Catalog # AT3319a

Product Information

Application	WB, IP, E
Primary Accession	P78337
Other Accession	NM_002653
Reactivity	Human
Host	Mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	5G4
Calculated MW	34128

Additional Information

Gene ID	5307
Other Names	Pituitary homeobox 1, Hindlimb-expressed homeobox protein backfoot, Homeobox protein PITX1, Paired-like homeodomain transcription factor 1, PITX1, BFT, PTX1
Target/Specificity	PITX1 (NP_002644, 225 a.a. ~ 313 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IP~~N/A E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	PITX1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

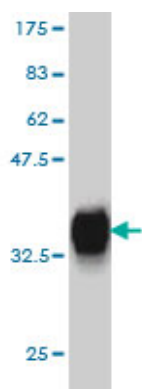
Background

This gene encodes a member of the RIEG/PITX homeobox family, which is in the bicoid class of homeodomain proteins. Members of this family are involved in organ development and left-right asymmetry. This protein acts as a transcriptional regulator involved in basal and hormone-regulated activity of prolactin.

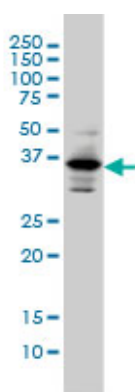
References

- 1.The c-Abl tyrosine kinase stabilizes Pitx1 in the apoptotic response to DNA damage.Yamaguchi T, Miki Y,

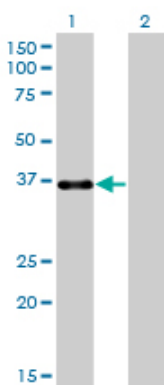
Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.53 KDa) .

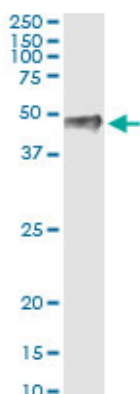


PITX1 monoclonal antibody (M01), clone 5G4 Western Blot analysis of PITX1 expression in Hela S3 NE (Cat # AT3319a)



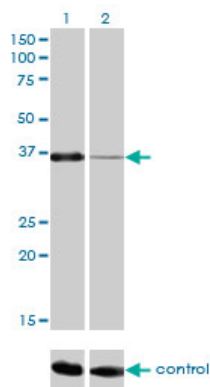
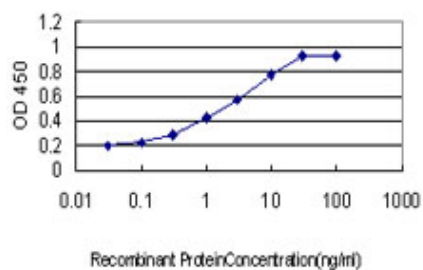
Western Blot analysis of PITX1 expression in transfected 293T cell line by PITX1 monoclonal antibody (M01), clone 5G4.

Lane 1: PITX1 transfected lysate(34.1 KDa).
Lane 2: Non-transfected lysate.



Immunoprecipitation of PITX1 transfected lysate using anti-PITX1 monoclonal antibody and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with PITX1 MaxPab rabbit polyclonal antibody.

Detection limit for recombinant GST tagged PITX1 is approximately 0.03ng/ml as a capture antibody.



Western blot analysis of PITX1 over-expressed 293 cell line, cotransfected with PITX1 Validated Chimera RNAi (Cat # AT3319a)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.