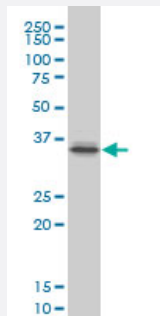


PITX1 monoclonal antibody (M02), clone 6D4

Catalog # H00005307-M02

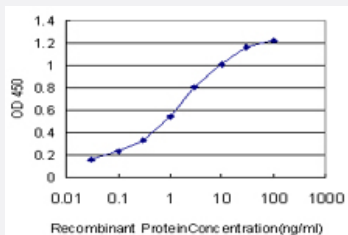
Size 100 ug

Applications



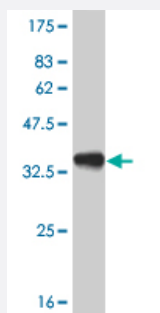
Western Blot (Cell lysate)

PITX1 monoclonal antibody (M02), clone 6D4 Western Blot analysis of PITX1 expression in A-431 (Cat # L015V1).



Sandwich ELISA (Recombinant protein)

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



Western Blot detection against Immunogen (35.53 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant PITX1.

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.
Sequence	MPSSMGP GAVPGMPNSGLNNINNLTGSSLNSAMSPGACPYGTPASPYSVYRDTCNSSLASLRKSKQHSSFGYGGLQGPASGLNACQYN
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.53 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

PITX1 monoclonal antibody (M02), clone 6D4 Western Blot analysis of PITX1 expression in A-431 (Cat # L015V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

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

[Protocol Download](#)

- ELISA

Gene Info — PITX1

Entrez GeneID	5307
GeneBank Accession#	NM_002653
Protein Accession#	NP_002644

Gene Name	PITX1
Gene Alias	BFT, POTX, PTX1
Gene Description	paired-like homeodomain 1
Omim ID	602149
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	hindlimb expressed homeobox protein backfoot paired-like homeodomain transcription factor 1 pituitary homeo box 1 pituitary otx-related factor

Publication Reference

- [The c-Abl tyrosine kinase stabilizes Pitx1 in the apoptotic response to DNA damage.](#)

Yamaguchi T, Miki Y, Yoshida K.

Apoptosis 2010 Aug; 15(8):927.

Application: WB-Ce, WB-Tr, Human, K-562, MCF-7, U-2 OS cells

Disease

- [Autistic Disorder](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Genetic Predisposition to Disease](#)