

Datasheet for ABIN562251
anti-PITX2 antibody (AA 1-324)



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Overview

Quantity:	100 µg
Target:	PITX2
Binding Specificity:	AA 1-324
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PITX2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

Product Details

Purpose:	Mouse monoclonal antibody raised against a full length recombinant PITX2.
Immunogen:	PITX2 (AAH13998, 1 a.a. ~ 324 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	MNCMKGPLHL EHRAAGTKLS AVSSSSCHHP QPLAMASVLA PGQPRSLDSS KHRLEVHTIS DTSSPEAAEK DKSQQGKNED VGAEDPSKKK RQRRQRTHFT SSQLQELEAT FQRNRYPDMS TREEIAVWTN LTEARVRVWF KNRRAKWRKR ERNQQAELCK NGFGPQFNGL MQPYDDMYPG YSYNNWAAKG LTSASLSTKS FPFNSMNVN PLSSQSMFSP PNSISSMSMS SSMVPSAVTG VPGSSLNSLN NLNNLSSPSL NSAVPTPACP YAPPTPPYVY RDTCNSSLAS LRLKAKQHSS FGYASVQNPA SNLSACQYAV DRPV
Clone:	2G6
Isotype:	IgG2a

Product Details

Cross-Reactivity:	Human
Characteristics:	Antibody Reactive Against Recombinant Protein.

Target Details

Target:	PITX2
Alternative Name:	PITX2 (PITX2 Products)
Background:	Full Gene Name: paired-like homeodomain 2 Synonyms: ARP1,Brx1,IDG2,IGDS,IGDS2,IHG2,IRID2,MGC111022,MGC20144,Otlx2,PTX2,RGS,RIEG,RIEG1,RS
Gene ID:	5308
Pathways:	Retinoic Acid Receptor Signaling Pathway , Regulation of Muscle Cell Differentiation , Skeletal Muscle Fiber Development

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

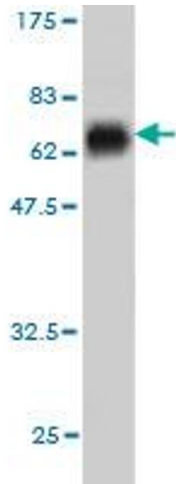
Buffer:	In 1x PBS, pH 7.4
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Publications

Product cited in: Strungaru, Footz, Liu, Berry, Belleau, Semina, Raymond, Walter: "PITX2 is involved in stress response in cultured human trabecular meshwork cells through regulation of SLC13A3." in: **Investigative ophthalmology & visual science**, Vol. 52, Issue 10, pp. 7625-33, (2011) ([PubMed](#)).

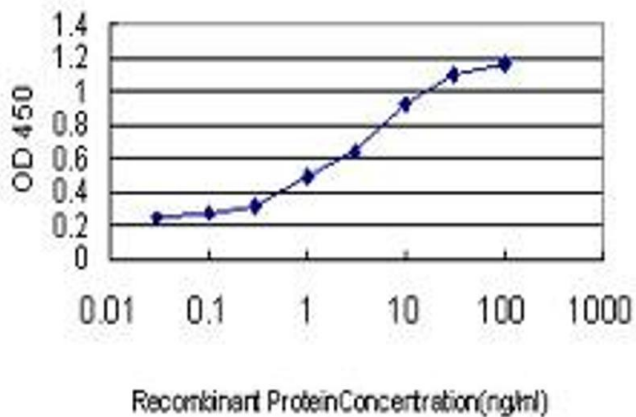
Acharya, Lingenfelter, Huang, Gage, Walter: "Human PRKC apoptosis WT1 regulator is a novel PITX2-interacting protein that regulates PITX2 transcriptional activity in ocular cells." in: **The**

Images



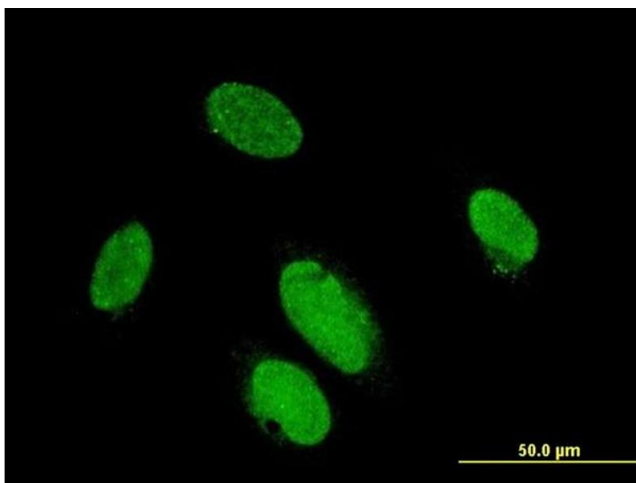
Western Blotting

Image 1. Western Blot detection against Immunogen (61.38 KDa) .



ELISA

Image 2. Detection limit for recombinant GST tagged PITX2 is approximately 0.03ng/ml as a capture antibody.



Immunofluorescence

Image 3. Immunofluorescence of monoclonal antibody to PITX2 on HeLa cell. [antibody concentration 10 ug/ml]