

DNAxPAb

Hard-to-Find
Antibody

PITX2 DNAxPab

Catalog # H00005308-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human PITX2 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MNCMKGPLHLEHRAAGTKLSAVSSSSCHHPQLAMASVLAPGQPRSLDSSKHRLEVHTISDTSS PEAAEKDKSQQGKNEDVGAEDPSKKKRQRRQRTHFTSQQLQELEATFQRNRYPDMSTREEIAV WTNLTEARVRVWFKNRRAKWRKRERNQQAELCKNGFGPQFNGLMQPYDDMYPGYSYNNWAAK GLTSASLSTKSFPFFNSMNVNPLSSQSMFSPNSISSMSMSSSMVPSAVTGVPGSSLNSLNNLN NLSSPSLNSAVPTPACPYAPPTPPYVYRDTCNSSLASLRLKAKQHSSFGYASVQNPASNLSACQ YAVDRPV
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
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 (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — PITX2

Entrez GeneID	5308
GeneBank Accession#	BC013998
Protein Accession#	AAH13998
Gene Name	PITX2
Gene Alias	ARP1, Brx1, IDG2, IGDS, IGDS2, IHG2, IRID2, MGC111022, MGC20144, Otlx2, PTX2, RGS, RIEG, RIEG1, RS
Gene Description	paired-like homeodomain 2
Omim ID	137600 180500 180550 601542
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. The encoded protein acts as a transcription factor and regulates procollagen lysyl hydroxylase gene expression. This protein plays a role in the terminal differentiation of somatotroph and lactotroph cell phenotypes, is involved in the development of the eye, tooth and abdominal organs, and acts as a transcriptional regulator involved in basal and hormone-regulated activity of prolactin. Mutations in this gene are associated with Axenfeld-Rieger syndrome, iridogoniodysgenesis syndrome, and sporadic cases of Peters anomaly. A similar protein in other vertebrates is involved in the determination of left-right asymmetry during development. Alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq]
Other Designations	OTTHUMP00000163736 all1-responsive gene 1 paired-like homeodomain transcription factor 2 pituitary homeo box 2 rieg bicoid-related homeobox transcription factor 1 solarshin

Pathway

- [TGF-beta signaling pathway](#)

Disease

- [Alcoholism](#)
- [Atrial Fibrillation](#)

- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glaucoma](#)
- [Recurrence](#)