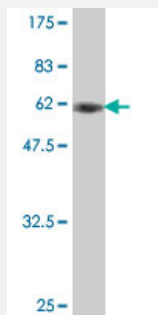


PITX2 polyclonal antibody (A01)

Catalog # H00005308-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (61.75 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a full-length recombinant PITX2.
Immunogen	PITX2 (AAH13998, 1 a.a. ~ 324 a.a) full-length recombinant protein with GST tag.
Sequence	MNCMKGPLHLEHRAAGTKLSAVSSSSCHHPQLAMASVLAPGQPRSLDSSKHRLEVHTISDTSS PEAAEKDKSQQGKNEDVGAEDPSKKKRQRRQRTHFTSQQLQELEATFQRNRYPD MSTREEIAV WTNLTEARVRVWFKNRRAKWRKRERNQQAELCKNGFGPQFNGLMQPYDDMYPGYSYNNWAAK GLTSASLSTKSFPFFNSMNVNPLSSQSMFSPNSISSMSMSSSMVPSAVTGVPGSSLNSLNNLN NLSSPSLNSAVPTPACPYAPPTPPYVYRDTCNSSLASLRKAKQHSSFGYASVQNPASNLSACQ YAVDRPV
Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (61.75 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

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, Otx2, 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 solurshin

Pathway

- [TGF-beta signaling pathway](#)

Disease

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