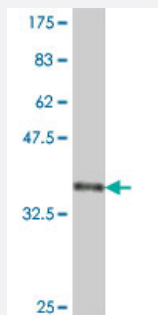


PITX2 polyclonal antibody (A03)

Catalog # H00005308-A03

Size 50 uL

Applications



Western Blot detection against Immunogen (35.13 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant PITX2.
Immunogen	PITX2 (NP_700476, 189 a.a. ~ 270 a.a) partial recombinant protein with GST tag.
Sequence	PGSSLNSLNNLNNLSSPSLNSAVPTPACPYAPPTPPYVYRDTCNSSLASLRLKAKQHSSFGYASV QNPASNLSACQYAVDRP
Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.13 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# [NM_153427](#)

Protein Accession# [NP_700476](#)

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 homeobox 2|rieg bicoid-related homeobox transcription factor 1|sclurshin

Pathway

- [TGF-beta signaling pathway](#)

Disease

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