

## Product datasheet for **TA355956**

### **PITX2 Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	<b>Expected reactivity:</b> Human, Mouse, Pig, Rabbit, Rat <b>Homology:</b> Human: 100%; Mouse: 92%; Pig: 92%; Rabbit: 92%; Rat: 92%
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	36kDa
Gene Name:	paired like homeodomain 2
Database Link:	<a href="#">NP_000316</a> <a href="#">Entrez Gene 5308 Human</a> <a href="#">Q99697-2</a>



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**Background:**

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.

**Synonyms:**

ARP1; Brx1; IDG2; IGDS; IGDS2; IHG2; IRID2; MGC20144; MGC111022; Otlx2; OTTHUMP00000163736; PTX2; RGS; RIEG; RIEG1; RS; Solurshin

**Protein Families:**

Transcription Factors

**Protein Pathways:**

TGF-beta signaling pathway

**Product images:**