

Product datasheet for TA355956

PITX2 Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: WB

Reactivity: Human Host: Rabbit

Clonality: Polyclonal

Specificity: Expected reactivity: Human, Mouse, Pig, Rabbit, Rat

Homology: 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.

Note that this product is shipped as lyophilized powder to China customers.

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: NP 000316

Entrez Gene 5308 Human

Q99697-2



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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.

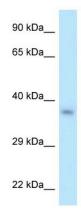
Synonyms: ARP1; Brx1; IDG2; IGDS; IGDS2; IHG2; IRID2; MGC20144; MGC111022; Otlx2;

OTTHUMP00000163736; PTX2; RGS; RIEG; RIEG1; RS; Solurshin

Protein Families: Transcription Factors

Protein Pathways: TGF-beta signaling pathway

Product images:



WB Suggested Anti-PITX2 Antibody

Titration: 1.0 ug/ml

Positive Control: HT1080 Whole Cell