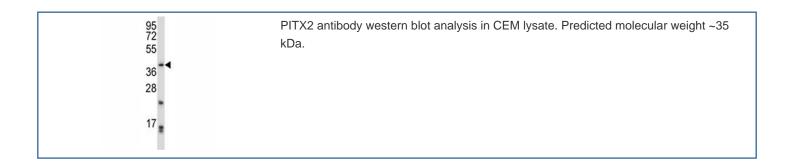


# PITX2 Antibody (F43443)

Catalog No.	Formulation	Size
F43443-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F43443-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

#### **Bulk quote request**

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	Q99697
Applications	Western Blot: 1:1000
Limitations	This PITX2 antibody is available for research use only.



### **Description**

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.

## **Application Notes**

Titration of the PITX2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

### **Immunogen**

A portion of amino acids 42-71 from the human protein was used as the immunogen for this PITX2 antibody.

### **Storage**

Aliquot the PITX2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.