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anti-PITX2 antibody (N-Term)



Image



# Overview

Quantity:	400 μL
Target:	PITX2
Binding Specificity:	AA 42-71, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PITX2 antibody is un-conjugated
Application:	Western Blotting (WB)

#### **Product Details**

Immunogen:	This PITX2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 42-71 amino acids from the N-terminal region of human PITX2.
Clone:	RB34027
Isotype:	lg Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

#### **Target Details**

Target:	PITX2
Alternative Name:	PITX2 (PITX2 Products)
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.

Molecular Weight: 35370

Gene ID: 5308

NCBI Accession: NP\_000316, NP\_001191326, NP\_001191327, NP\_001191328, NP\_700475, NP\_700476

UniProt: Q99697

Pathways: Retinoic Acid Receptor Signaling Pathway, Regulation of Muscle Cell Differentiation, Skeletal Muscle Fiber Development

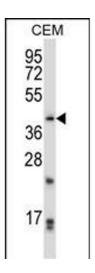
### **Application Details**

Application Notes: WB: 1:1000

Restrictions: For Research Use only

#### Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	PITX2 Antibody (N-term) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, place the at -20 °C.
Expiry Date:	6 months



## **Western Blotting**

**Image 1.** PITX2 Antibody (N-term) (ABIN657942 and ABIN2846886) western blot analysis in CEM cell line lysates (35  $\mu$ g/lane).This demonstrates the PITX2 antibody detected the PITX2 protein (arrow).