

Datasheet for ABIN356913
anti-PITX2 antibody (C-Term)



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1 Image

Overview

Quantity:	0.4 mL
Target:	PITX2
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PITX2 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the C-terminal region of human PILX2.
Isotype:	Ig Fraction
Specificity:	This antibody detects PITX2 at C-term.
Purification:	Protein A column, followed by peptide affinity purification

Target Details

Target:	PITX2
Alternative Name:	PITX2 (PITX2 Products)
Background:	Pilx2 is a member of the RIEG/PITX homeobox family, which is in the bicoid class of

Target Details

homeodomain proteins. This protein acts as a transcription factor and regulates procollagen lysyl hydroxylase gene expression. It 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 protein 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. Synonyms: ALL1-responsive protein ARP1, ARP1, Paired-like homeodomain transcription factor 2, Pituitary homeobox 2, RGS, RIEG, RIEG bicoid-related homeobox transcription factor, RIEG1, Solurshin

Gene ID:	5308, 9606
UniProt:	Q99697
Pathways:	Retinoic Acid Receptor Signaling Pathway , Regulation of Muscle Cell Differentiation , Skeletal Muscle Fiber Development

Application Details

Application Notes:	ELISA 1: 1,000. Western blot 1: 50 - 1: 100. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	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.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody at 2 - 8 °C up to one month or (in aliquots) at -20 °C for longer.

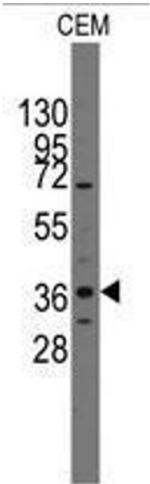


Image 1.