

Rabbit PITX2 Polyclonal Antibody | anti-PITX2 antibody

PITX2 Antibody

CATALOG # AAA329106	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA
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PRODUCT SYNONYMS

PITX2; Polyclonal Antibody; PITX2 Antibody; anti-PITX2 antibody

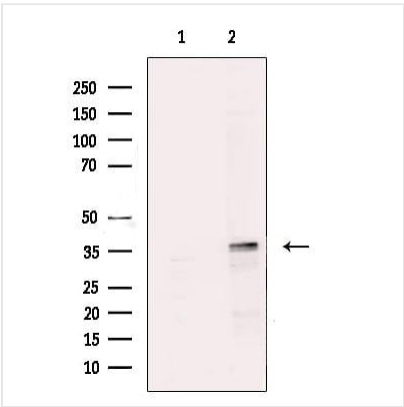
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PITX2 Antibody detects endogenous levels of total PITX2.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	324
Applicable Applications for anti-PITX2 antibody	ELISA
Immunogen	A synthesized peptide derived from human PITX2, corresponding to a region within the internal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

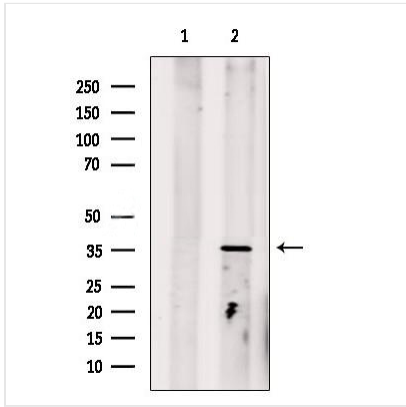
IMAGES



IHC (Immunohistochemisry)
AAA329106 at 1/100 staining Rat testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from Human Heart, using PITX2 Antibody. The lane on the left was treated with blocking peptide.



WB (Western Blot)
Western blot analysis of extracts from Rat kidney, using PITX2 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-PITX2 antibody	Function: Controls cell proliferation in a tissue-specific manner and is involved in morphogenesis. During embryonic development, exerts a role in the expansion of muscle progenitors. May play a role in the proper localization of asymmetric organs such as the heart and stomach. Isoform PTX2C is involved in left-right asymmetry the developing embryo (By similarity).
	Post Translational Modifications: Phosphorylation at Thr-90 impairs its association with the CCND1 mRNA-stabilizing complex thus shortening the half-life of CCND1.
	Subcellular Location: Nucleus.
	Similarity: Belongs to the paired homeobox family. Bicoid subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	21361183
NCBI GeneID	5308
NCBI Accession #	NP_000316.2
NCBI GenBank Nucleotide #	NP_000316.2

UniProt Accession #	Q99697
Molecular Weight	Observed Molecular Weight: (Observed)35kD. Predicted Molecular Weight: (Calculated)35kDa.
NCBI Official Full Name	pituitary homeobox 2 isoform c
NCBI Official Synonym Full Names	paired like homeodomain 2
NCBI Official Symbol	PITX2
NCBI Official Synonym Symbols	RS; RGS; ARP1; Brx1; IDG2; IGDS; IHG2; PTX2; RIEG; ASGD4; IGDS2; IRID2; Otlx2; RIEG1
NCBI Protein Information	pituitary homeobox 2
UniProt Protein Name	Pituitary homeobox 2
UniProt Gene Name	PITX2
UniProt Synonym Gene Names	ARP1; RGS; RIEG; RIEG1
UniProt Entry Name	PITX2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pitx2-antibody-elisa/329106>