

Rabbit PITX2 Polyclonal Antibody | anti-PITX2 antibody

PITX2

CATALOG # AAA37029	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot
------------------------------	-----------------------	--	-------------------------------------

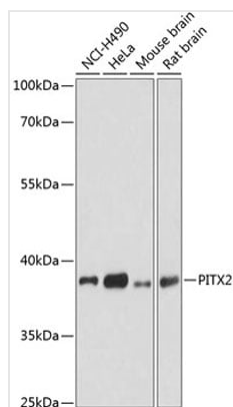
PRODUCT SYNONYMS

PITX2; Polyclonal Antibody;
 ARP1;ASGD4;Brx1;IDG2;IGDS;IGDS2;IHG2;IRID2;Otlx2;PTX2;RGS;RIEG;RIEG1;RS;ARP1;Brx1;IDG2;IGDS;IGDS2;IHG2;IRID2;Otlx2;PTX2;RGS;RIEG;RIEG1;RS;
 anti-PITX2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300,50% glycerol,pH7.3.
Sequence Length	317
Applicable Applications for anti-PITX2 antibody	WB (Western Blot)
Species	Human
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human PITX2 (NP_000316.2).
Category	Primary antibody
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using PITX2 antibody (AAA37029) at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.

ADDITIONAL INFORMATION

Related Product Information for anti-PITX2 antibody	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.
Product Categories/Family for anti-PITX2 antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	6174907
NCBI GeneID	5308
UniProt Accession #	Q99697; O60578; O60579; O60580; Q3KQX9; Q9BY17; A8K6C6; B2RA02; B3KXS0
Molecular Weight	Calculated MW: 30kDa/35kDa Observed MW: 39kDa
NCBI Official Full Name	Pituitary homeobox 2
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; IGDS2; IRID2; Otlx2; RIEG1
NCBI Protein Information	pituitary homeobox 2; solurshin; all1-responsive gene 1; homeobox protein PITX2; ALL1-responsive protein ARP1; paired-like homeodomain transcription factor 2; rieg bicoid-related homeobox transcription factor 1
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/pitx2-antibody-western-blot-elisa/37029>