

Rabbit PITX1 Polyclonal Antibody | anti-PITX1 antibody

PITX1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323926	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

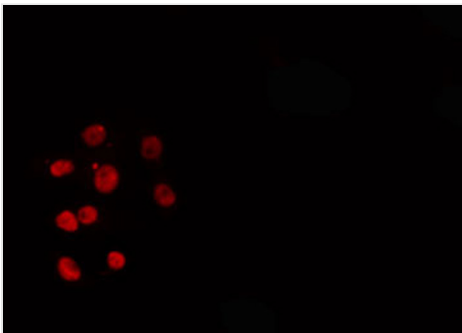
PRODUCT SYNONYMS

PITX1; Polyclonal Antibody; PITX1 Antibody; BFT; CCF; Hindlimb expressed homeobox protein backfoot; Hindlimb-expressed homeobox protein backfoot; Homeobox protein PITX1; LBNBG; Paired like homeodomain 1; Paired like homeodomain transcription factor 1; Paired-like homeodomain transcription factor 1; Pituitary homeobox 1; Pituitary homeobox 1; Pituitary otx related factor; Pitx1; PITX1_HUMAN; POTX; PTX1; anti-PITX1 antibody

PRODUCT SPECIFICATIONS

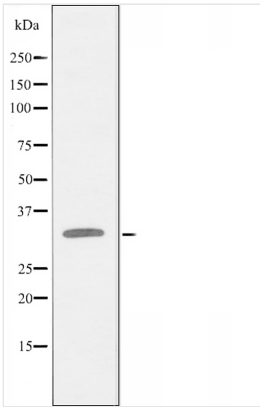
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PITX1 antibody detects endogenous levels of total PITX1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	314
Applicable Applications for anti-PITX1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Nucleus.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (100%), Dog (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA323926 staining Hela cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from Jurkat cells using PITX1 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-PITX1 antibody

Function: Sequence-specific transcription factor that binds gene promoters and activates their transcription. May play a role in the development of anterior structures, and in particular, the brain and facies and in specifying the identity or structure of hindlimb.
Subunit Structure: Interacts with POU1F1 (PubMed:26612202).
Similarity: Belongs to the paired homeobox family. Bicoid subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	152963644
NCBI GeneID	5307
NCBI Accession #	NP_002644.4
NCBI GenBank Nucleotide #	NM_002653.4
UniProt Accession #	P78337; O14677; O60425; Q9BTI5; A8K3M0; D3DQB0
Molecular Weight	Observed: 34 kD Predicted: 35 kDa
NCBI Official Full Name	pituitary homeobox 1
NCBI Official Synonym Full Names	paired like homeodomain 1
NCBI Official Symbol	PITX1
NCBI Official Synonym Symbols	BFT; CCF; POTX; PTX1; LBNBG
NCBI Protein Information	pituitary homeobox 1
UniProt Protein Name	Pituitary homeobox 1
UniProt Gene Name	PITX1
UniProt Synonym Gene Names	BFT; PTX1

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.