

bs-9605R**[Primary Antibody]****PITX2 Rabbit pAb****BioSS**
ANTIBODIES

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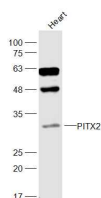
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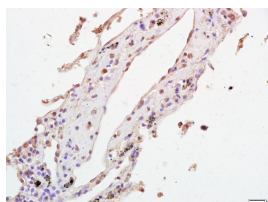
400-901-9800

— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Human, Mouse (predicted: Rat, Rabbit, Cow, Chicken, Dog, Horse) Predicted MW.: 35 kDa Subcellular Location: Nucleus
Clonality: Polyclonal		
GeneID: 5308	SWISS: Q3KQX9	
Target: PITX2		
Immunogen: KLH conjugated synthetic peptide derived from human PITX2: 241-317/317.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: Pitx2 also regulates lung symmetry by encoding “leftness” of the lung. Pitx2 is asymmetrically expressed in the left lateral-plate mesoderm, and mutant mice with laterality defects show altered patterns of Pitx2 expression that correlate with changes in the visceral symmetry. The genes which encode Pitx1 and Pitx2 map to human chromosomes 5q31 and 4q25-q26, respectively. May play an important role in development and maintenance of anterior structures. Isoform PTX2C is involved in left-right asymmetry the developing embryo.		

— VALIDATION IMAGES —

Sample: Heart(Mouse) Cell Lysate at 40 ug
Primary: Anti-PITX2 (bs-9605R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at
1/20000 dilution Predicted band size: 35 kD
Observed band size: 30 kD



Tissue/cell: human lung tissue; 4%
Paraformaldehyde-fixed and paraffin-
embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block
endogenous peroxidase by 3% Hydrogen
peroxide for 30min; Blocking buffer (normal goat
serum,C-0005) at 37°C for 20 min; Incubation:
Anti-PITX2 Polyclonal Antibody,
Unconjugated(bs-9605R) 1:200, overnight at 4°C,
followed by conjugation to the secondary
antibody(SP-0023) and DAB(C-0010) staining

— SELECTED CITATIONS —

- **[IF=2.5]** Hanbin Zhao. et al. ATRA regulates myoblast differentiation and fusion through the RARα/Pitx2 signaling pathway, causing abnormal development of PFMs in ARM fetal rats.. DEV BIOL. 2024 Jun;; IF ;Rat. 38878992