

bs-24881R**[Primary Antibody]****Nkx2.5 Rabbit pAb****Bioss**
ANTIBODIES

www.bioss.com.cn

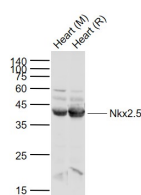
sales@bioss.com.cn

techsupport@bioss.com.cn

400-901-9800

— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		Reactivity: Mouse, Rat
GeneID: 18091	SWISS: P42582	
Target: Nkx2.5		
Purification: affinity purified by Protein A		Predicted MW.: 36 kDa
Concentration: 1mg/ml		Subcellular Location: Nucleus
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: In humans, mutations of the gene encoding the homeobox transcription factor Nkx2.5 result in electrical conduction defects and morphological abnormalities of the heart (Dupays et al., 2005). In the heart, Nkx2.5 is expressed in both the myocardium and the endocardium. Differentiation of embryonic stem cells to Nkx2.5-positive cardiomyocytes is facilitated by Wnt11.		

— VALIDATION IMAGES —

Sample: Lane 1: Mouse Heart tissue lysates Lane
2: Rat Heart tissue lysates Primary: Anti-Nkx2.5
(bs-24881R) at 1/1000 dilution Secondary:
IRDye800CW Goat Anti-Rabbit IgG at 1/20000
dilution Predicted band size: 36 kD Observed
band size: 42 kD

— SELECTED CITATIONS —

- **[IF=8.9]** Ying Zhang. et al. Early life stage exposure to fenbuconazole causes multigenerational cardiac developmental defects in zebrafish and potential reasons. ENVIRON POLLUT. 2024 May;349:123938 WB ;Fish. 38588970