

bs-21479R**[Primary Antibody]****Nkx2.5 Rabbit pAb****Bioss**
ANTIBODIES

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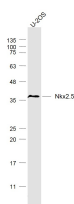
sales@bioss.com.cn

techsupport@bioss.com.cn

400-901-9800

— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		Reactivity: Human (predicted: 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: U-2OS (Human) Cell Lysate at 30 ug
Primary: Anti-Nkx2.5 (bs-21479R) at 1/1000
dilution Secondary: IRDye800CW Goat Anti-
Rabbit IgG at 1/20000 dilution Predicted band
size: 36 kD Observed band size: 36 kD