bs-24881R **[Primary Antibody]**

Nkx2.5 Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 18091 **SWISS:** P42582

Target: Nkx2.5

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: 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.

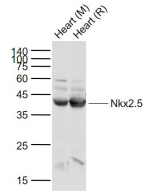
Applications: **WB** (1:500-2000)

Reactivity: Mouse, Rat

Predicted MW.: 36 kDa

Subcellular Location: Nucleus

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