



Rabbit Anti-Nkx2.5 antibody

SL21479R

Product Name:	Nkx2.5
Chinese Name:	心脏特异性同源盒转录因子NKX2.5抗体
Alias:	Cardiac-specific homeobox 1; Cardiac-specific homeobox 1; Cardiac-specific homeobox; CHNG5; CSX; CSX1; Homeobox protein CSX; Homeobox protein NK-2 homolog E; NK2 transcription factor related, locus 5 (Drosophila); Nkx2-5; NKX2.5; Nkx2E; NKX4-1; Tinman paralog.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	36kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from mouse Nkx2.5:
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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.

Subcellular Location:

Nuclear

SWISS:

P42582

Gene ID:

18091

Database links:

[Entrez Gene: 1482](#)Human

[Entrez Gene: 18091](#)Mouse

[Entrez Gene: 114109](#)Rat

[Omir: 600584](#)Human

[SwissProt: Q90788](#)Chicken

[SwissProt: P52952](#)Human

[SwissProt: P42582](#)Mouse

[SwissProt: O35767](#)Rat

[Unigene: 638](#)Chicken

[Unigene: 54473](#)Human

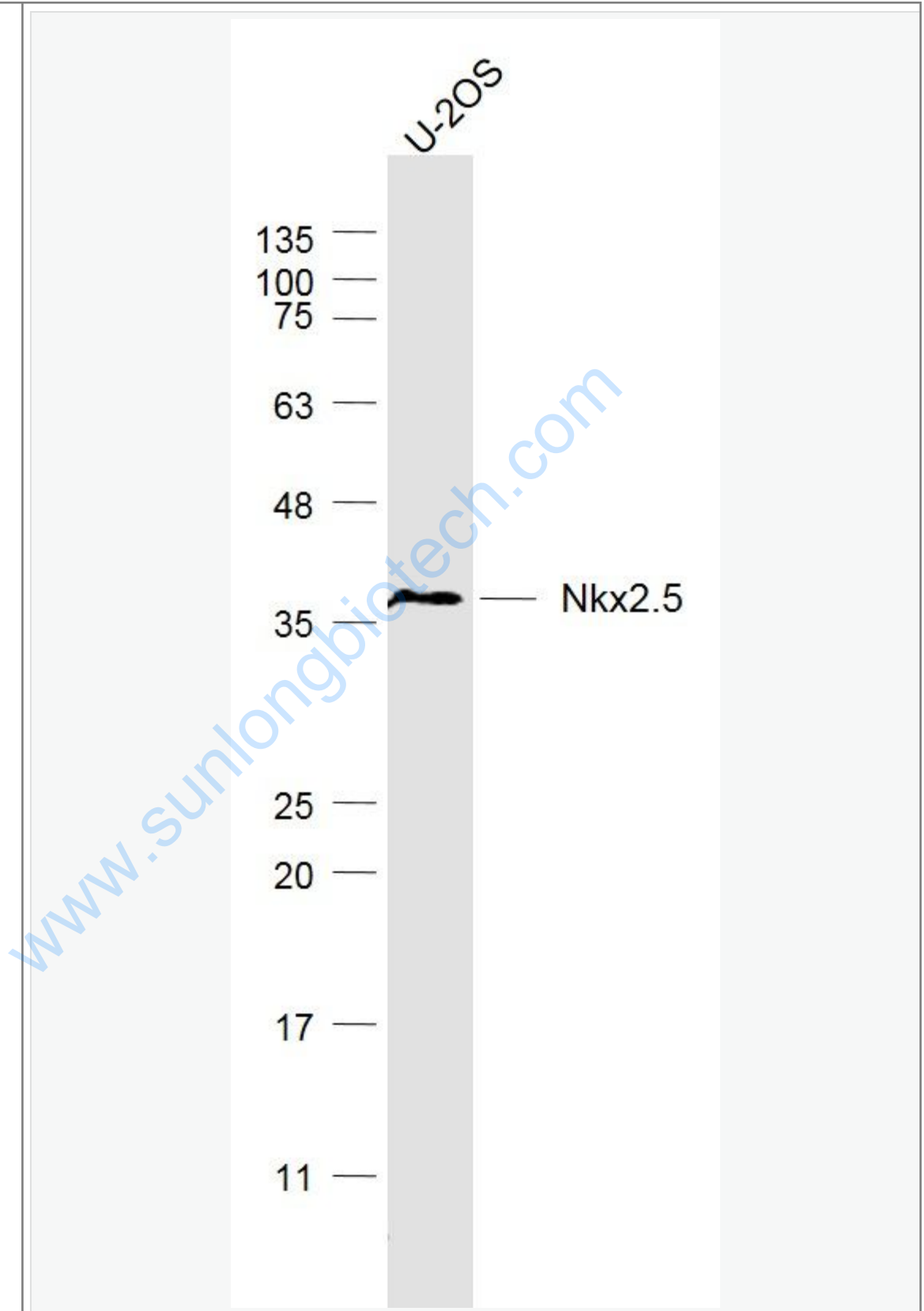
[Unigene: 41974](#)Mouse

[Unigene: 6179](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

U-2OS (Human) Cell Lysate at 30 ug

Primary: Anti-Nkx2.5 (SL21479R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 36 kD

Observed band size: 36 kD

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