



### Anti-Nkx2.5 antibody ab106923

★★★★☆ [4 Abreviews](#) [6 References](#) [画像数 3](#)

#### 製品の概要

製品名	Anti-Nkx2.5 antibody
製品の詳細	Goat polyclonal to Nkx2.5
由来種	Goat
特異性	ab106923 is expected to recognize all three reported isoforms (NP_004378.1; NP_001159647.1; NP_001159648.1).
アプリケーション	<b>適用あり:</b> WB, ICC, IHC-P
種交差性	<b>交差種:</b> Mouse, Human
免疫原	Synthetic peptide within Human Nkx2.5 aa 50-150 (internal sequence). The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please <b><a href="#">contact</a></b> our Scientific Support team to discuss your requirements. <div>  <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a> </div>
ポジティブ・コントロール	WB: Mouse heart lysate; ICC: U-2 OS cells. IHC: Human heart.
特記事項	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

#### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: Tris buffered saline, 0.5% BSA
精製度	Immunogen affinity purified
特記事項 (精製)	ab106923 was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

ポリ/モノ  
アイソタイプ

ポリクローナル  
IgG

## アプリケーション

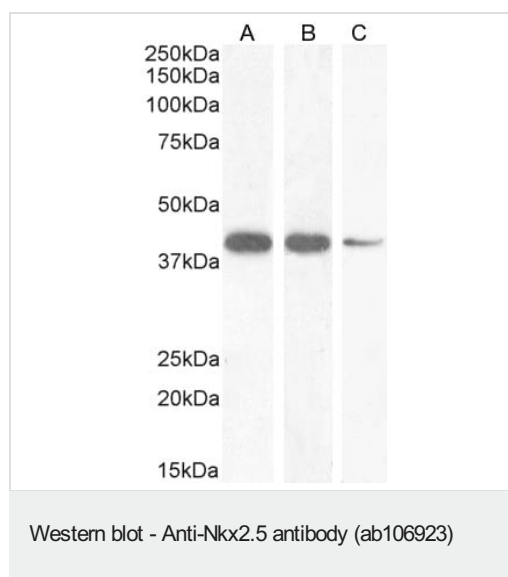
**The Abpromise guarantee** **Abpromise保証は、** 次のテスト済みアプリケーションにおけるab106923の使用に適用されます  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB	★★★★★ (1)	Use a concentration of 1 - 0.5 µg/ml. Detects a band of approximately 45 kDa (predicted molecular weight: 35 kDa). A 1 hour primary incubation is recommended for this product. Abcam recommends using 3% milk as the blocking agent.
ICC		Use a concentration of 10 µg/ml.
IHC-P		Use a concentration of 4 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. Only suitable for human, not mouse samples.

## ターゲット情報

機能	Implicated in commitment to and/or differentiation of the myocardial lineage. Acts as a transcriptional activator of ANF in cooperation with GATA4 (By similarity). It is transcriptionally controlled by PBX1 and acts as a transcriptional repressor of CDKN2B (By similarity). It is required for spleen development.
組織特異性	Expressed only in the heart.
関連疾患	Atrial septal defect 7, with or without atrioventricular conduction defects Tetralogy of Fallot Conotruncal heart malformations Hypothyroidism, congenital, non-goitrous, 5 Ventricular septal defect 3 Hypoplastic left heart syndrome 2 Asplenia, isolated congenital
配列類似性	Belongs to the NK-2 homeobox family. Contains 1 homeobox DNA-binding domain.
細胞内局在	Nucleus.

## 画像



**All lanes :** Anti-Nkx2.5 antibody (ab106923) at 1 µg/ml

**Lane 1 :** Human heart lysate in RIPA buffer

**Lane 2 :** Mouse heart lysate in RIPA buffer

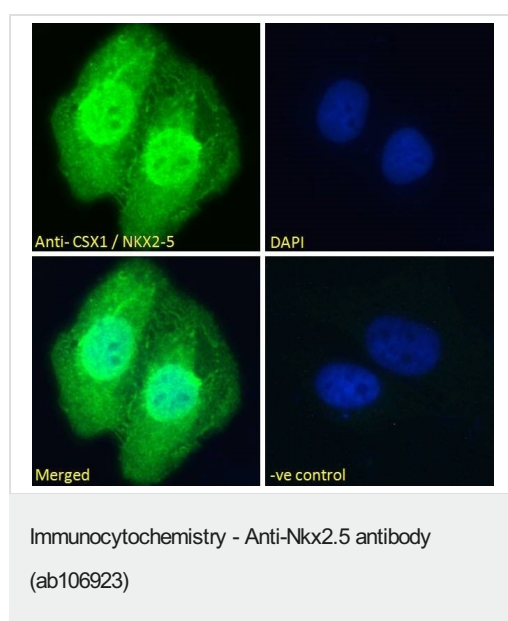
**Lane 3 :** Rat heart lysate in RIPA buffer

Lysates/proteins at 35 µg per lane.

**Predicted band size:** 35 kDa

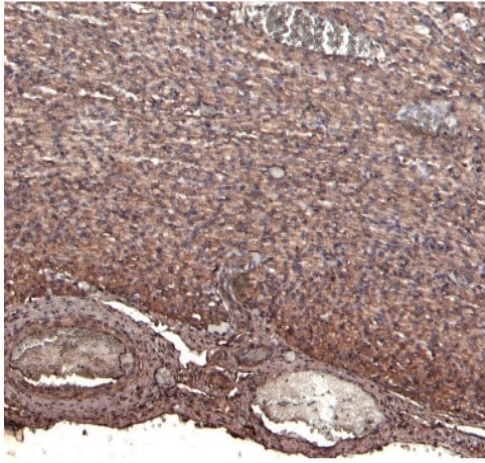
**Observed band size:** 45 kDa

Detected by chemiluminescence.



Immunocytochemistry analysis of paraformaldehyde fixed U-2 OS (human bone osteosarcoma epithelial cell line) cells, permeabilized with 0.15% Triton. Primary incubation for 1 hour at 10 µg/mL followed by Alexa Fluor® 488 secondary antibody at 2 µg/mL. The nuclear stain is DAPI (blue).

Negative control: Unimmunized goat IgG (10 µg/mL) followed by Alexa Fluor® 488 secondary antibody (2 µg/mL).



Immunohistochemical analysis of human heart tissue stained for Nkx2.5 using ab106923 at 4µg/ml. Positive cytoplasmic staining shown.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Nkx2.5 antibody (ab106923)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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