

# Anti-NK2 Homeobox 1 Rabbit Monoclonal Antibody



**Catalog #: 3309**

## Aliases

NKX2-1; NK2 Homeobox 1; TTF-1; TTF1; Thyroid Transcription Factor 1; NKX2A; TITF1; Thyroid-Specific Enhancer-Binding Protein; Homeobox Protein NK-2 Homolog A; Homeobox Protein Nkx-2.1; Thyroid Nuclear Factor 1; T/EBP; BCH; NK-2 Homolog A; Benign Chorea; NKX2.1; NMTC1; NK-2; TEBP; BHC

## Background

Gene Name: NKX2-1

NCBI Gene Entry: [7080](#)

UniProt Entry: [P43699](#)

## Application Information

Molecular Weight: Predicted, 39 kDa; observed, 39 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 24GB5000

Species Reactivity: Human

Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

## Immunogen

A synthesized peptide derived from human TTF1

## Isotype

Rabbit IgG

## Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

## Storage

Store at -20 °C for one year.

## Recommended Dilutions

Western Blotting (WB): 1:1,000-1:5,000

Flow Cytometry (FCM): 1:2,000

Immunocytochemistry (IC): 1:100-1:1,000

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### SUPPORT

SUPPORT@GENUINBIOTECH.COM  
TEL: +1-540-855-7041

### ORDERS

SALES@GENUINBIOTECH.COM  
FAX: +1-540-855-7041

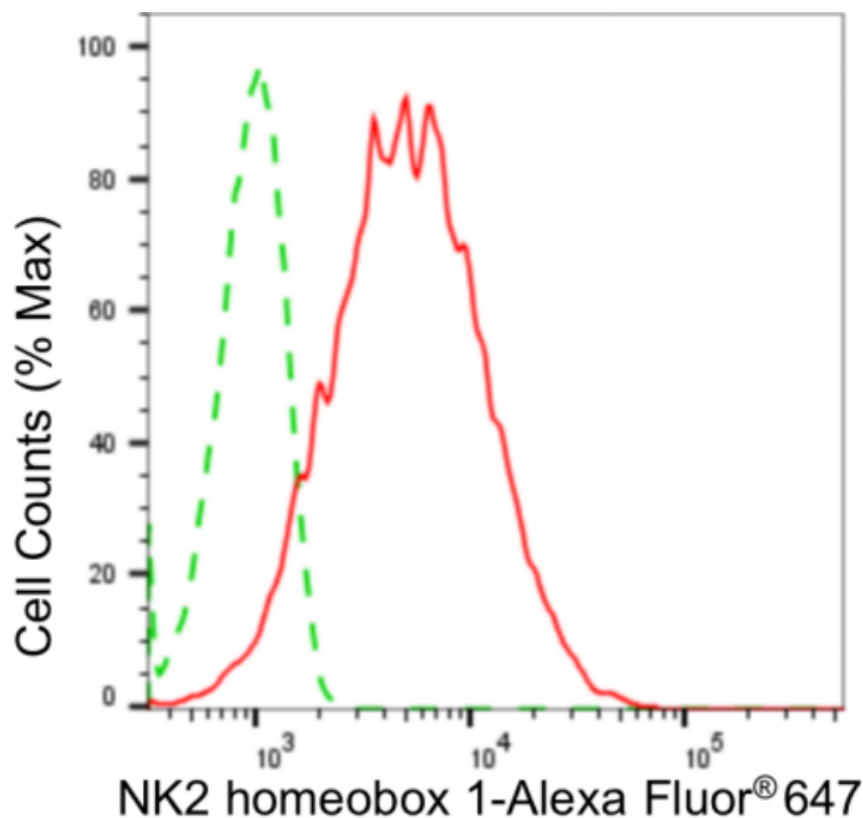
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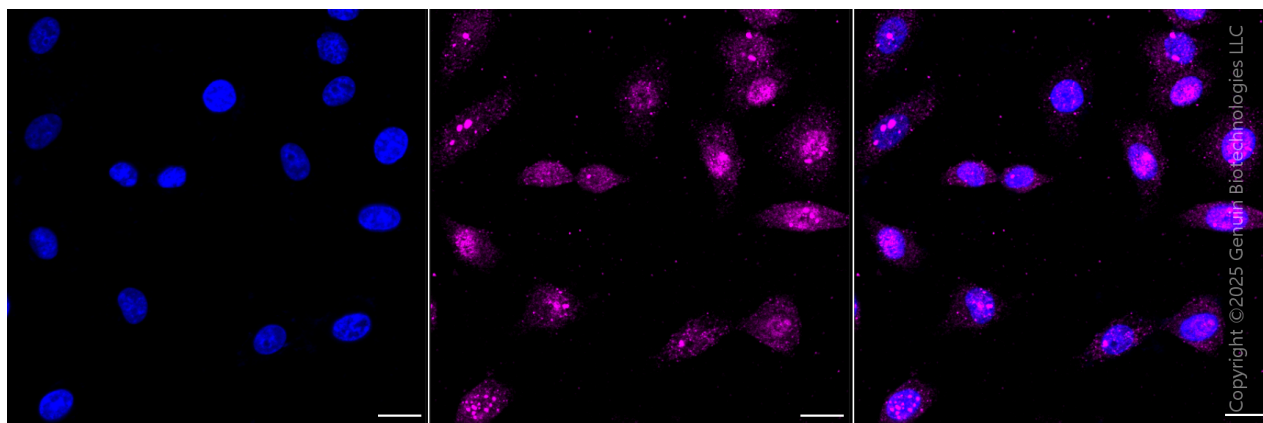
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**Note:** This product is for research use only.

## Validation Data



Flow cytometric analysis of NK2 homeobox 1 expression in HepG2 cells using anti-NK2 homeobox 1 antibody (Cat#3309, 1:2,000). Green, isotype control; red, NK2 homeobox 1.



Immunocytochemical staining of HepG2 cells with anti-NK2 homeobox 1 antibody (Cat#3309, 1:1,000). Nuclei were stained blue with DAPI; NK2 homeobox 1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20  $\mu$ m.

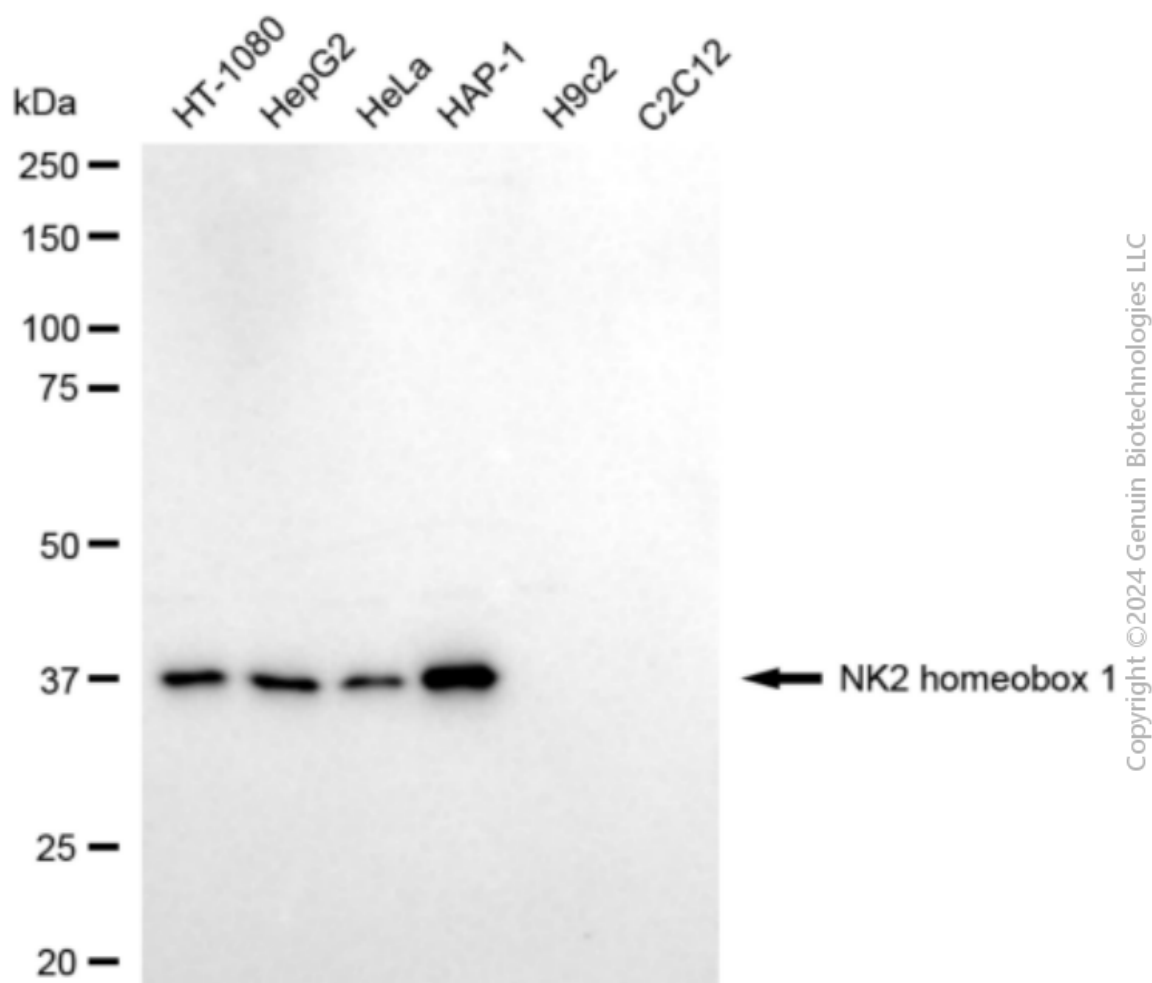
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Western blotting analysis using anti-NK2 homeobox 1 antibody (Cat#3309). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-NK2 homeobox 1 antibody (Cat#3309, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).