

# Anti-SRY-Box Transcription Factor 9 Recombinant Rabbit Monoclonal Antibody



**Catalog #: 4116**

## Aliases

SOX9; SRY-Box Transcription Factor 9; SRA1; Transcription Factor SOX-9; SRY-Box 9; CMPD1; CMD1; Campomelic Dysplasia, Autosomal Sex-Reversal; SRY (Sex-Determining Region Y)-Box 9 Protein; SRY (Sex Determining Region Y)-Box 9; SRY (Sex Determining Region Y)-Box9; SRY-Related HMG-Box, Gene 9; SRXY10; SRXX2

## Background

Gene Name: SOX9

NCBI Gene Entry: [6662](#)

UniProt Entry: [P48436](#)

## Application Information

Molecular Weight: Predicted, 56 kDa; observed, 70 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 24GB9665

Species Reactivity: Human, mouse, rat

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

## Immunogen

A synthesized peptide derived from human SOX9

## 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

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### ORDERS

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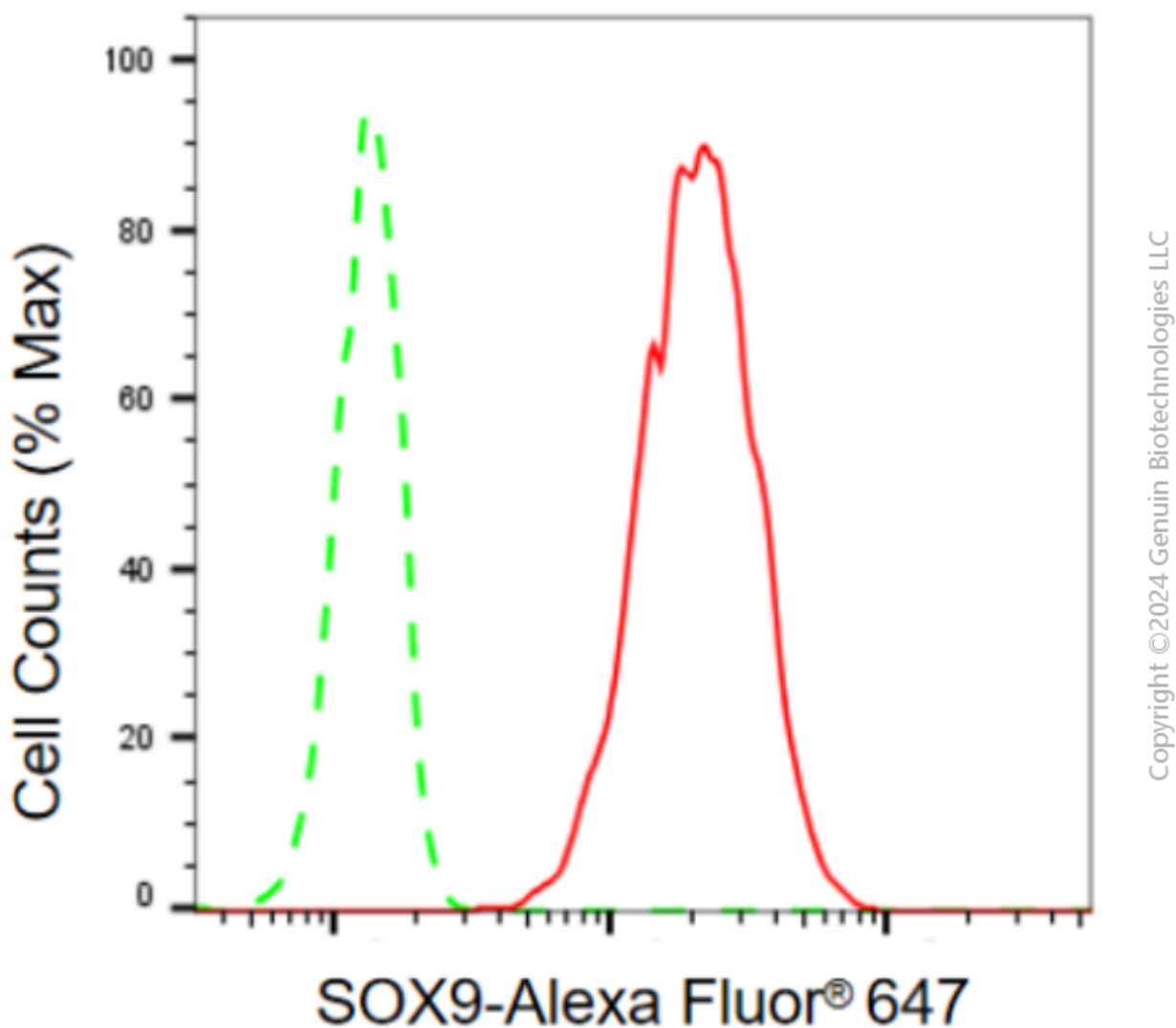
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**Note:** This product is for research use only.

## Validation Data



Flow cytometric analysis of SOX9 expression in HT-1080 cells using anti-SOX9 antibody (Cat#4116, 1:2,000). Green, isotype control; red, SOX9.

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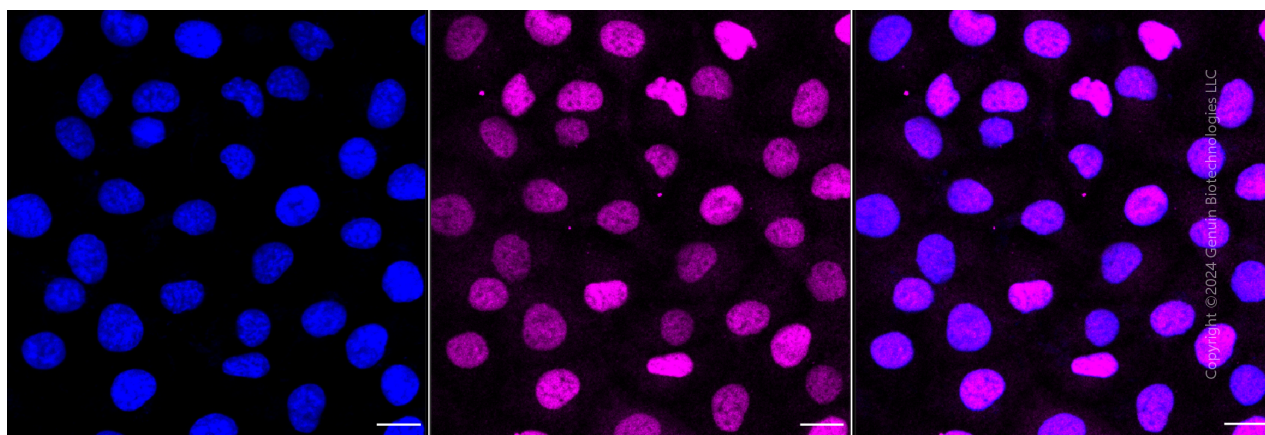
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Immunocytochemical staining of HT-1080 cells with anti-SRY-Box Transcription Factor 9 antibody (Cat#4116, 1:1,000). Nuclei were stained blue with DAPI; SRY-Box Transcription Factor 9 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20  $\mu$ m.

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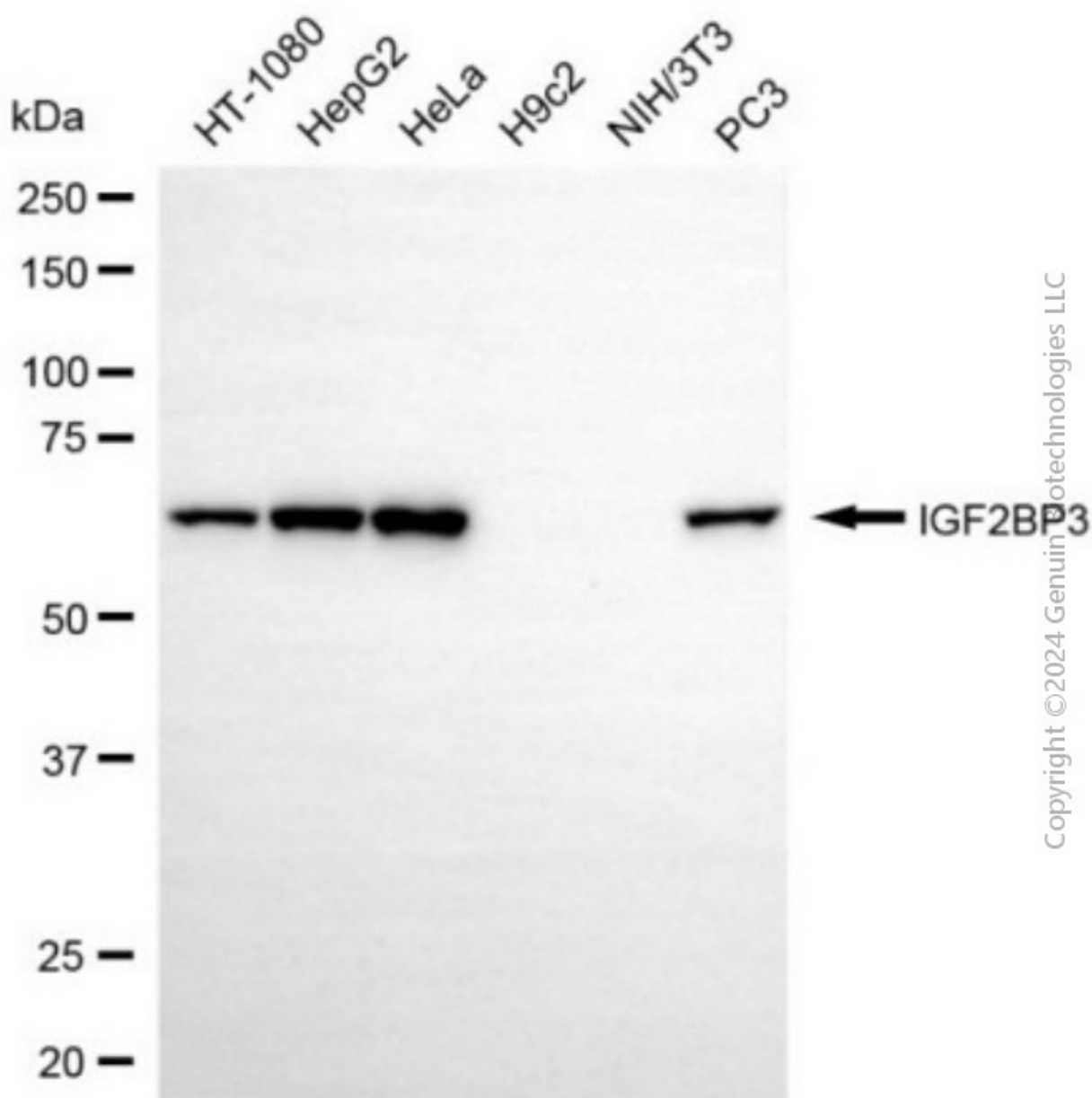
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## Anti-SRY-Box Transcription Factor 9 Recombinant Rabbit Monoclonal Antibody

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Western blotting analysis using anti-SOX9 antibody (Cat#4116). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-SOX9 antibody (Cat#4116, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).

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