Anti-POU Class 5 Homeobox 1 Recombinant Rabbit Monoclonal Antibody

GenuIN BIOTECH
REAL MATTERS

Catalog #: 2565

Aliases

POU5F1; POU Class 5 Homeobox 1; OCT3; Oct3/4; OCT-4; Oct4; OTF3; POU Domain, Class 5, Transcription Factor 1; Octamer-Binding Transcription Factor 3; Octamer-Binding Protein 3; Octamer-Binding Protein 4; MGC22487; OTF-3; Oct-3; POU-Type Homeodomain-Containing DNA-Binding Protein; POU Domain Class 5, Transcription Factor 1; POU Domain Transcription Factor OCT4; Oct-4; OTF4; OCT4

Background

Gene Name: POU5F1
NCBI Gene Entry: 5460
UniProt Entry: Q01860

Application Information

Molecular Weight: Predicted, 39 kDa; observed, 45 kDa
Clonality: Rabbit monoclonal antibody
Clone ID: 24GB1425
Species Reactivity: Human, rat
Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

Immunogen

A synthesized peptide derived from human Oct4

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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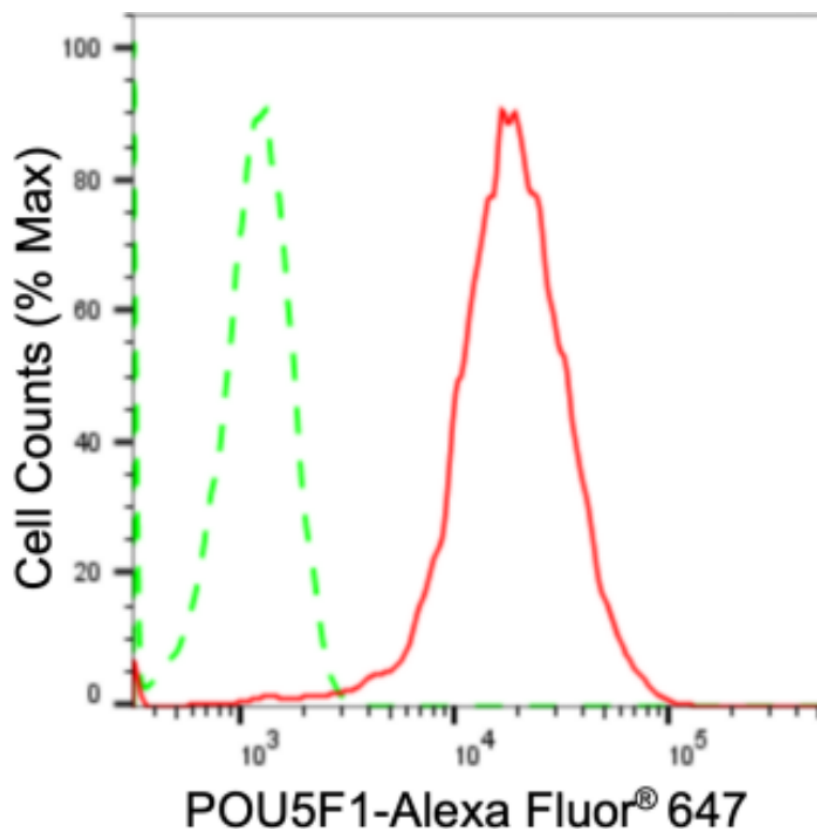
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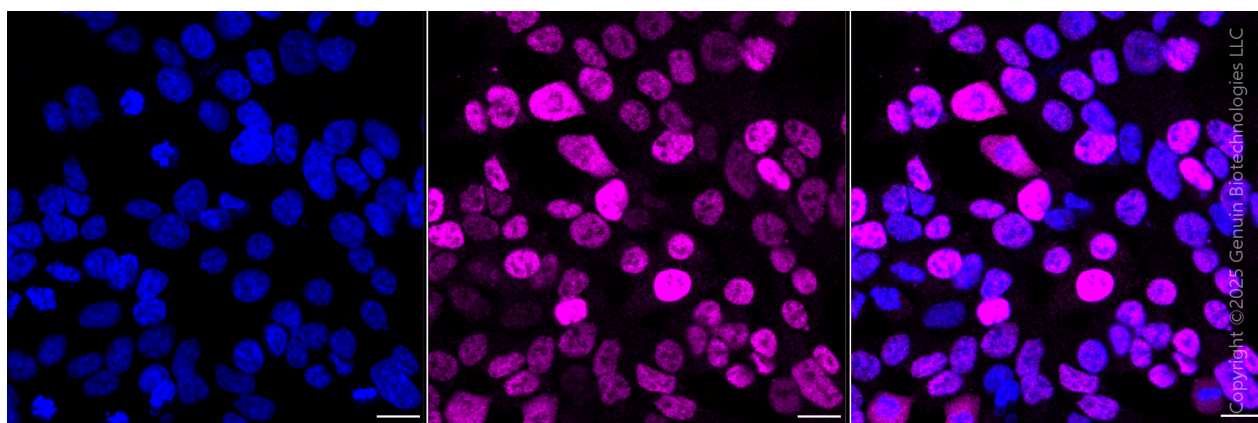# Anti-POU Class 5 Homeobox 1 Recombinant Rabbit Monoclonal Antibody

Note: This product is for research use only.

Validation Data

Flow cytometric analysis of POU5F1 expression in HAP-1 cells using anti-POU5F1 antibody (Cat#2565, 1:2,000). Green, isotype control; red, POU5F1.

Immunocytochemical staining of HAP1 cells with anti-POU5F1 antibody (Cat#2565, 1:1,000) . Nuclei were stained blue with DAPI;POU5F1 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 μm.
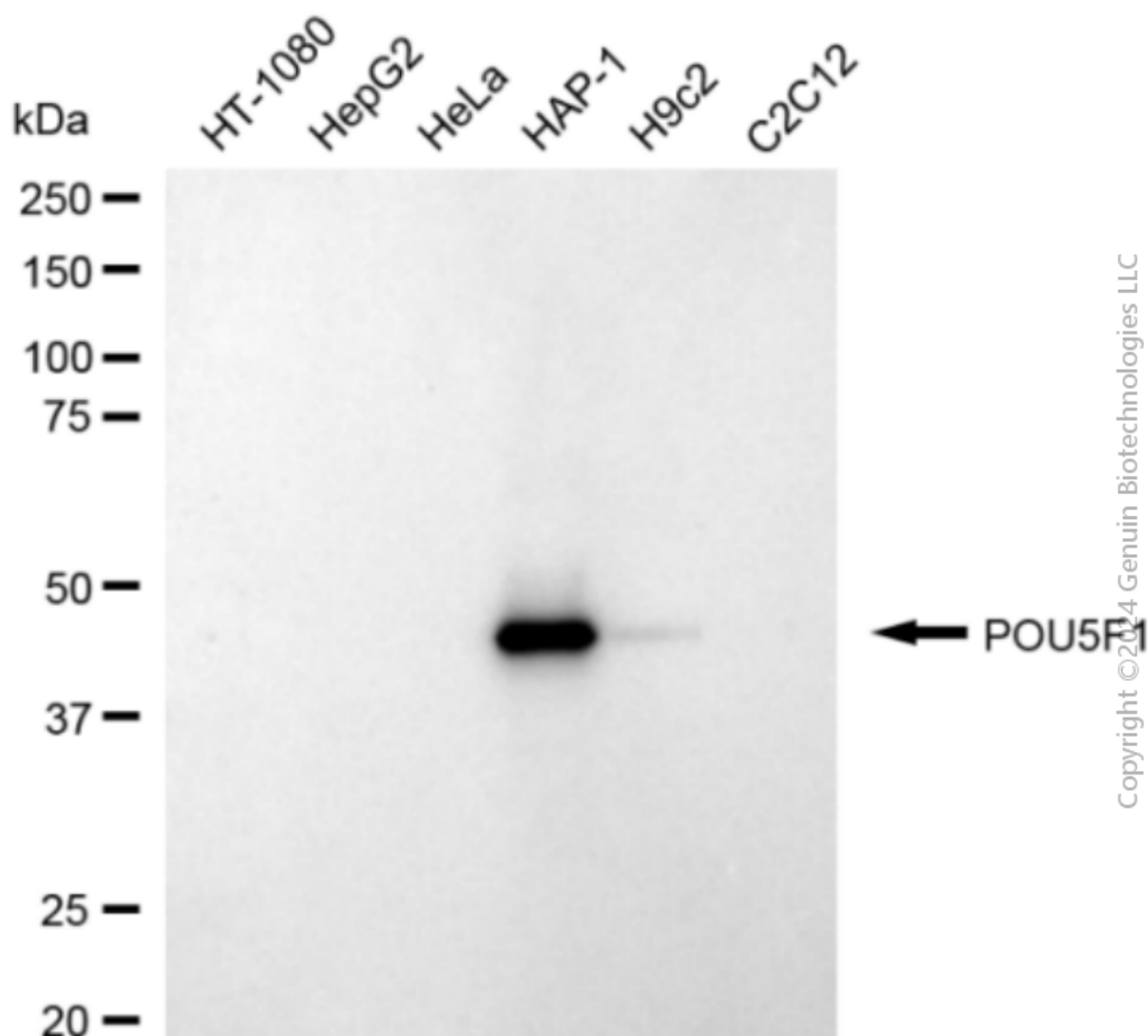

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Western blotting analysis using anti-POU5F1 antibody (Cat#2565). Total cell lysates (30 μg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-POU5F1 antibody (Cat#2565, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).

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