

Catalog #: 3310

Aliases

OLIG1; Oligodendrocyte Transcription Factor 1; BHLHB6; BHLHE21; Oligodendrocyte-Specific BHLH Transcription Factor 1; Basic Domain, Helix-Loop-Helix Protein, Class B, 6; Oligodendrocyte Lineage Transcription Factor 1; Class E Basic Helix-Loop-Helix Protein 21; Class B Basic Helix-Loop-Helix Protein 6; BHLHe21; Oligo1; BHLHb6

Background

Gene Name: OLIG1

NCBI Gene Entry: [116448](#)

UniProt Entry: [Q8TAK6](#)

Application Information

Molecular Weight: Predicted, 28 kDa, observed, 35 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 24GB5005

Species Reactivity: Human, mouse, rat

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

Immunogen

A synthesized peptide derived from human Olig1

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

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

Flow Cytometry (FCM) : 1:2,000

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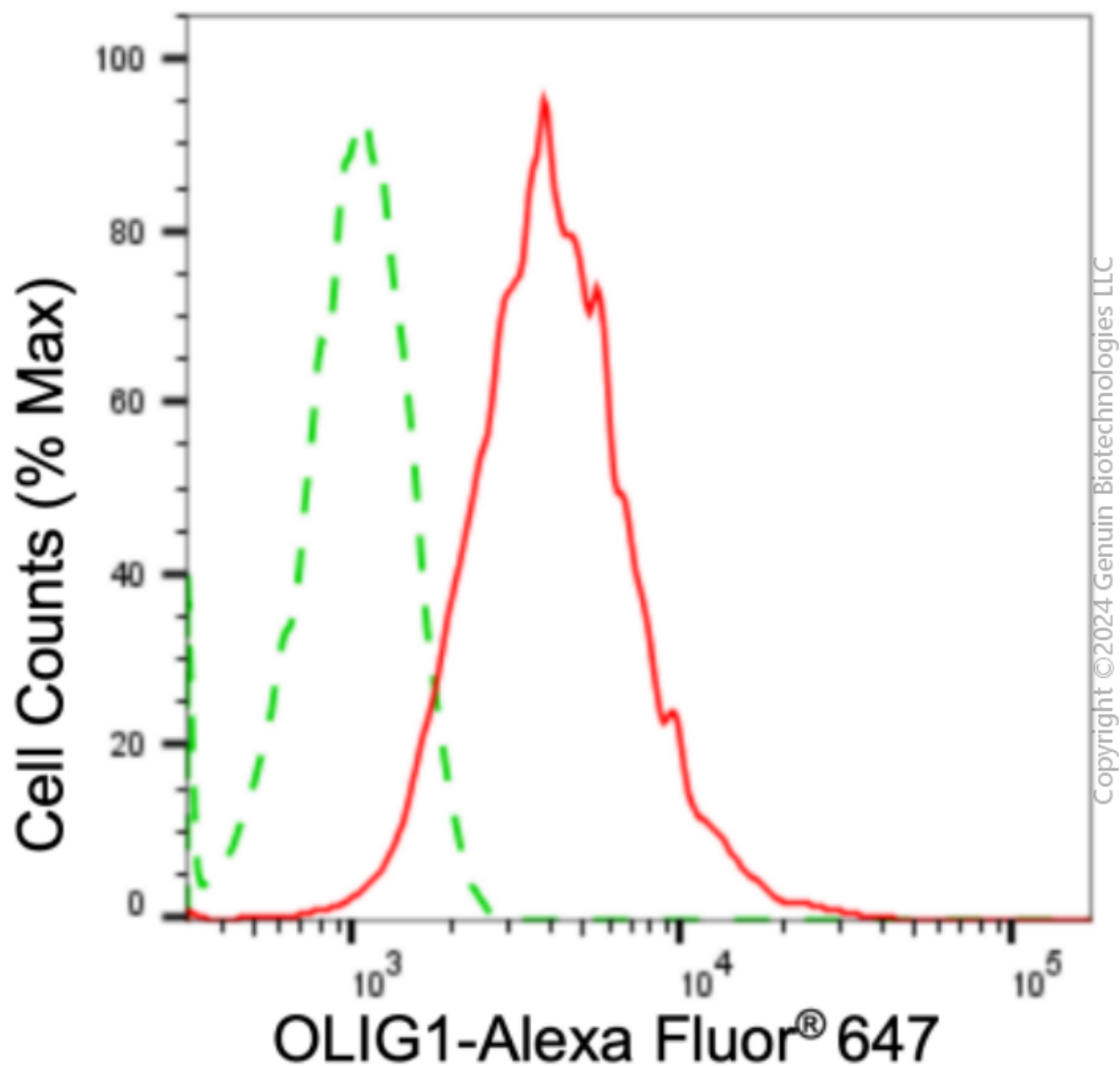
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Note: This product is for research use only.

Validation Data



Flow cytometric analysis of OLIG1 expression in HepG2 cells using anti-OLIG1 antibody (Cat#3310, 1:2,000). Green, isotype control; red, OLIG1.

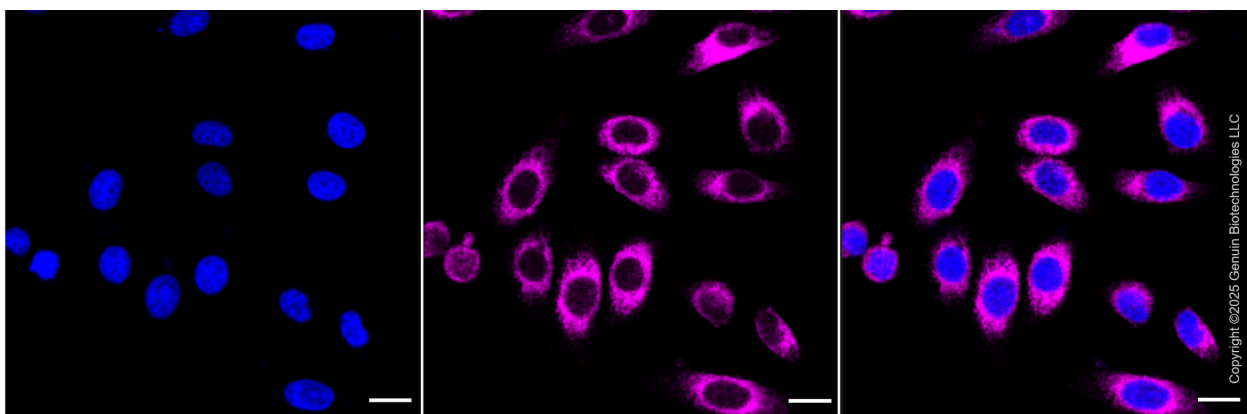
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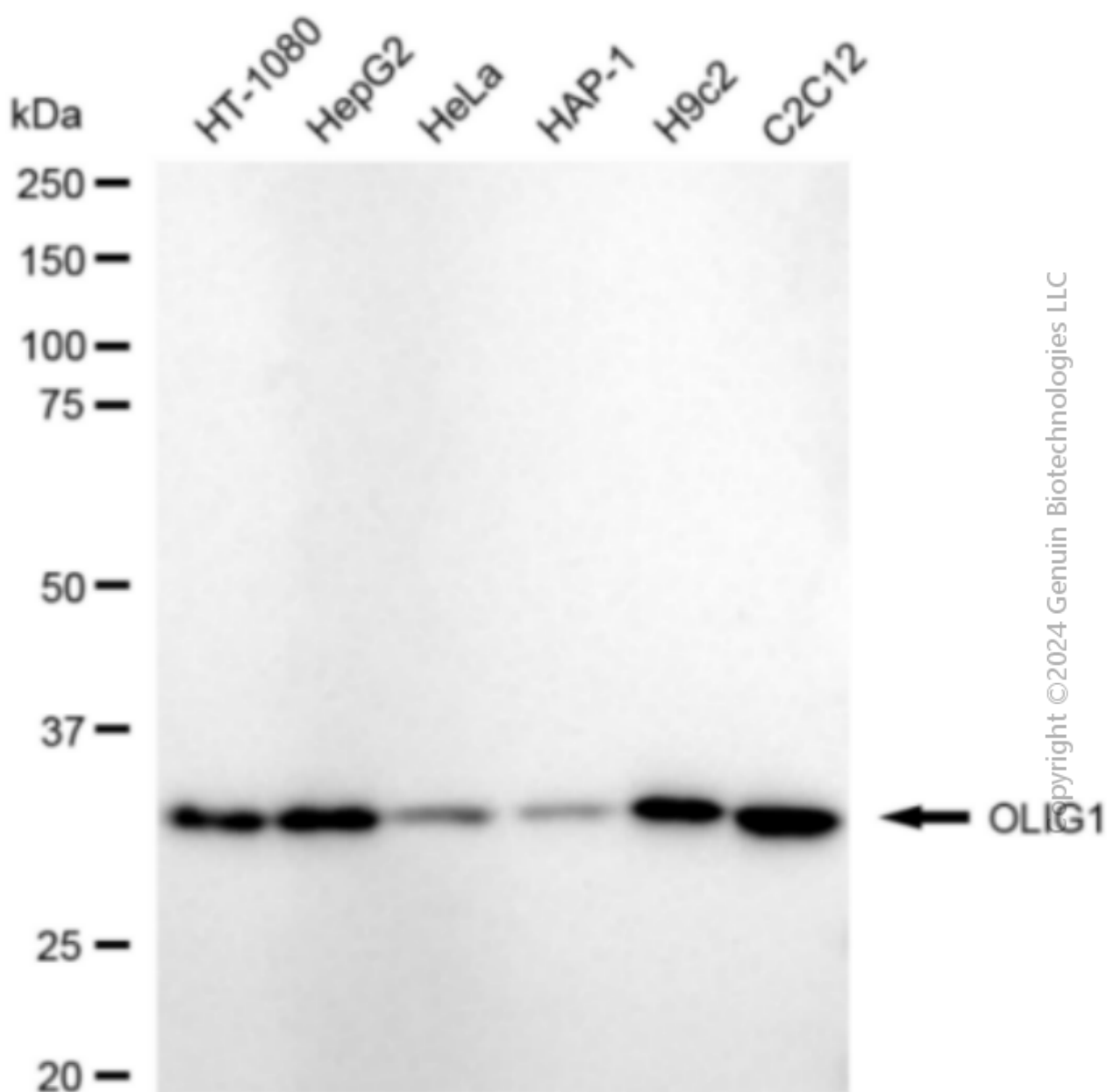
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Immunocytochemical staining of HepG2 cells with anti-OLIG1 antibody (Cat#3310, 1:1,000) . Nuclei were stained blue with DAPI; OLIG1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar: 20 μ m.



Western blotting analysis using anti-OLIG1 antibody (Cat#3310). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-OLIG1 antibody (Cat#3310, 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). OLIG1, oligodendrocyte transcription factor 1.

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