KD-Validated Anti-DYNLL1 Recombinant Rabbit Monoclonal Antibody

Catalog #: 61946

Aliases

DYNLL1; Dynein Light Chain LC8-Type 1; DLC1; DLC8; PIN; DNCL1; LC8; Protein Inhibitor Of Neuronal Nitric Oxide Synthase; Dynein, Cytoplasmic, Light Polypeptide 1; Dynein Light Chain 1, Cytoplasmic; 8 KDa Dynein Light Chain; DNCLC1; Hdlc1; HDLC1; Cytoplasmic Dynein Light Polypeptide; LC8a

Background

Gene Name: DYNLL1
NCBI Gene Entry: 8655
UniProt Entry: P63167

Application Information

Molecular Weight: Predicted, 10 kDa, observed, 10 kDa
Clonality: Rabbit monoclonal antibody
Clone ID: 23GB5245
Species Reactivity: Human, mouse, rat
Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC), immunohistochemistry (IHC)

Immunogen

A synthesized peptide derived from human DYNLL1

Isotype

Rabbit IgG

Storage Buffer

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

Storage

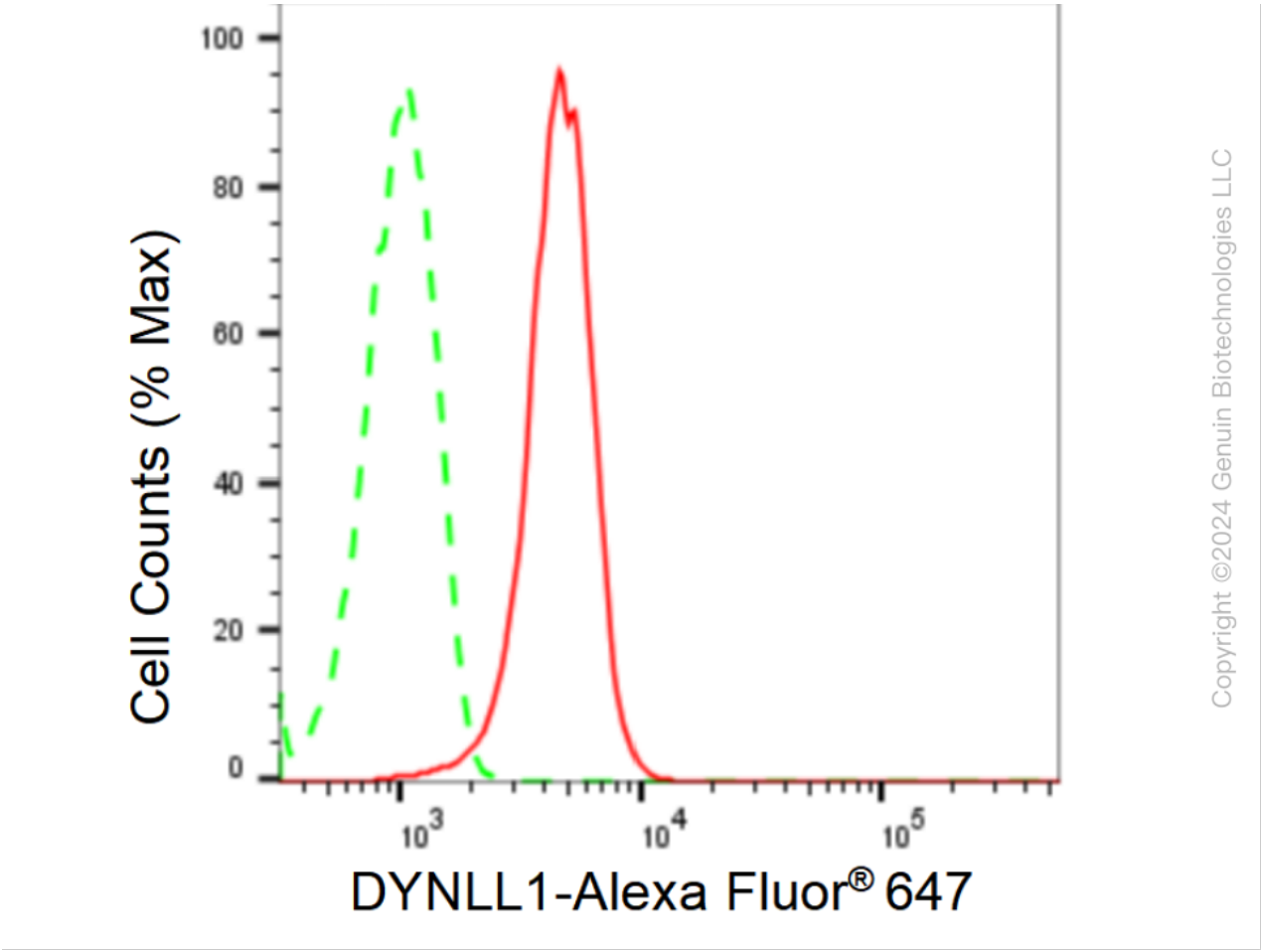
Store at -20 °C for one year.

Recommended Dilutions

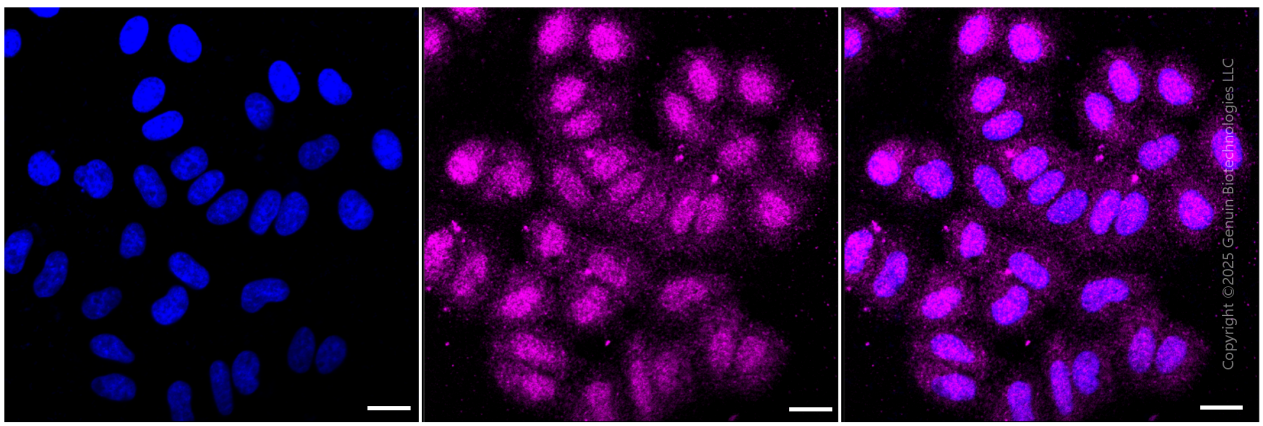
Western Blotting (WB): 1:1,000-1:5,000
Flow Cytometry (FCM): 1:2,000
Immunocytochemistry (IC): 1:100-1:1,000
Immunohistochemistry (IHC): 1:100-1:200

Note: This product is for research use only.

Validation Data



Flow cytometric analysis of DYNLL1 expression in HepG2 cells using DYNLL1 antibody (Cat#61946, 1:2,000). Green, isotype control; red, DYNLL1.



Immunocytochemical staining of HepG2 cells with anti-DYNLL1 antibody (Cat#61946, 1:1,000).

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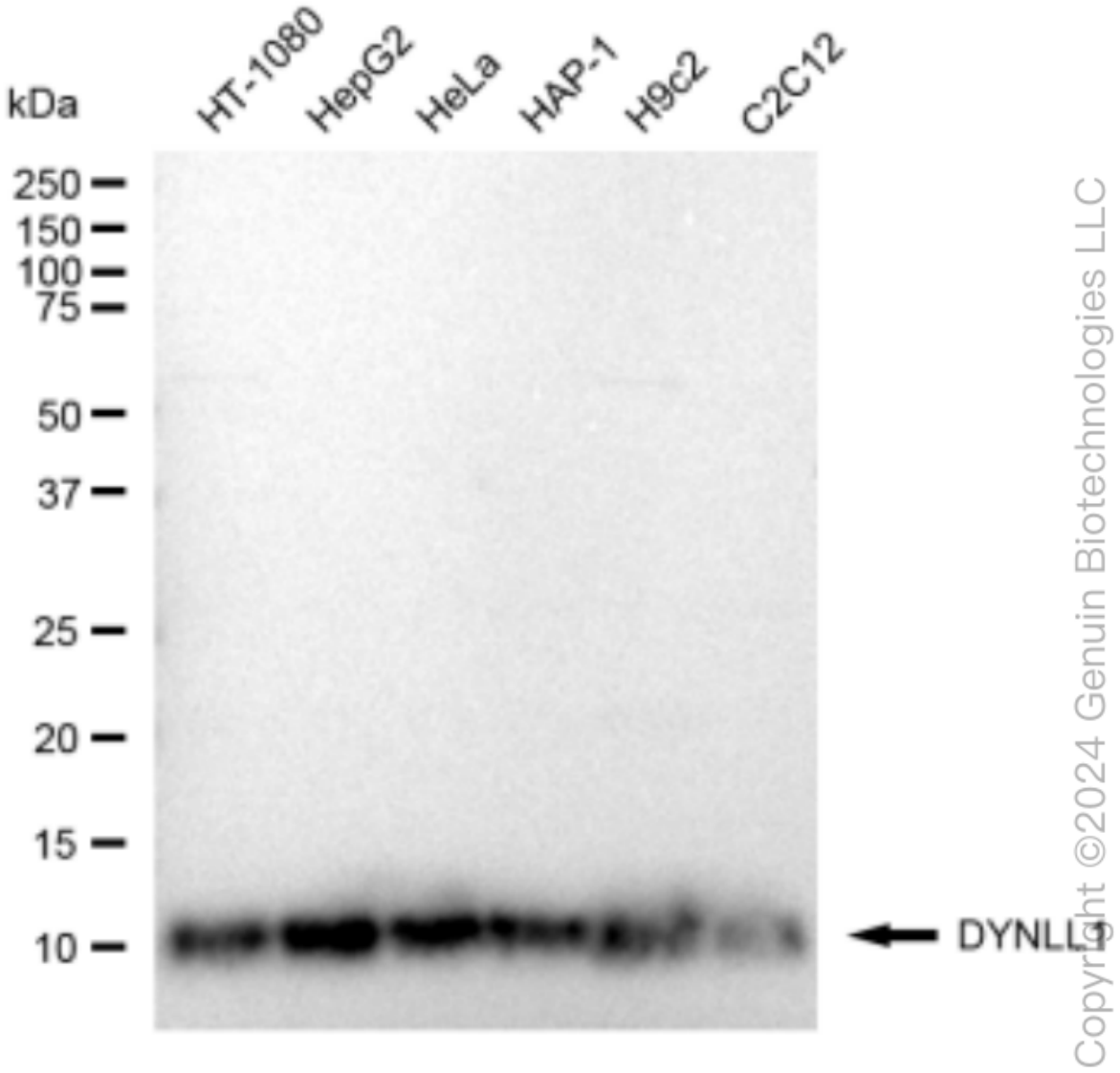
Nuclei were stained blue with DAPI; DYNLL1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.



Western blotting analysis using anti-DYNLL1 antibody (Cat#61946). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-DYNLL1 antibody (Cat#61946, 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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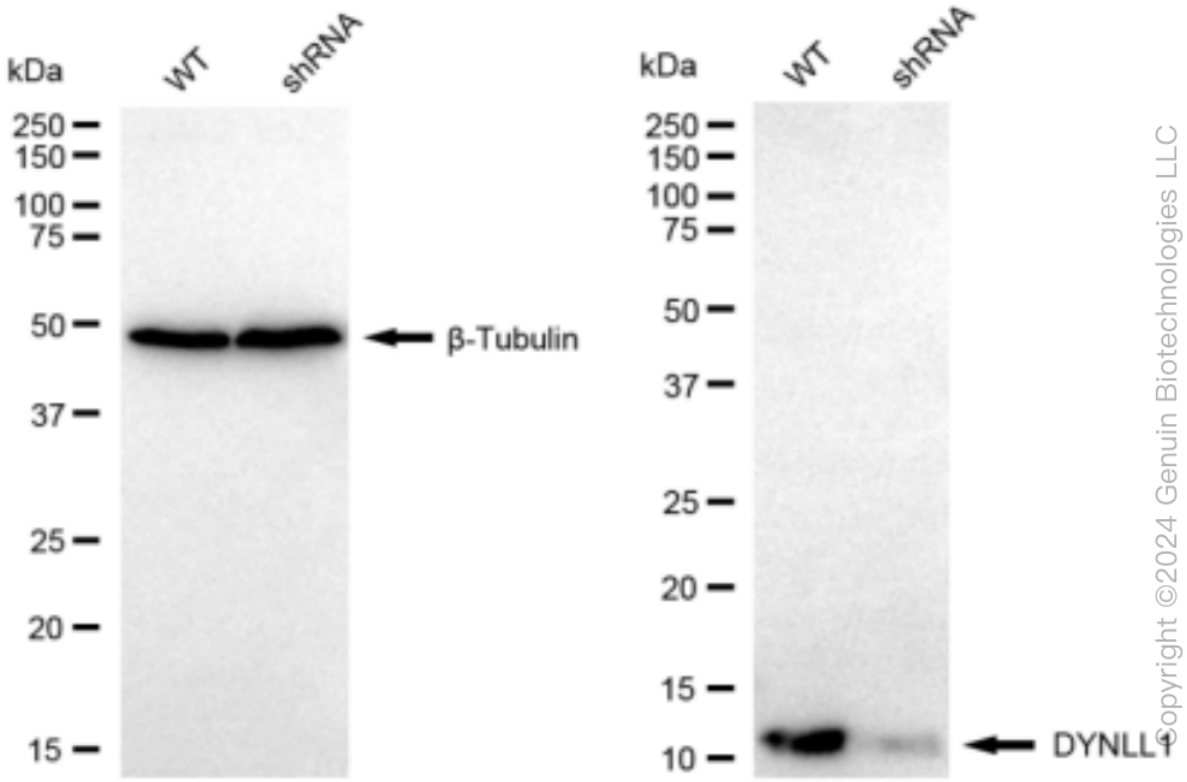

Western blotting analysis using anti-DYNLL1 antibody (Cat#61946). DYNLL1 expression in wild type (WT) and DYNLL1 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-DYNLL1 antibody (Cat#61946, 1:5,000) and HRP-conjugated 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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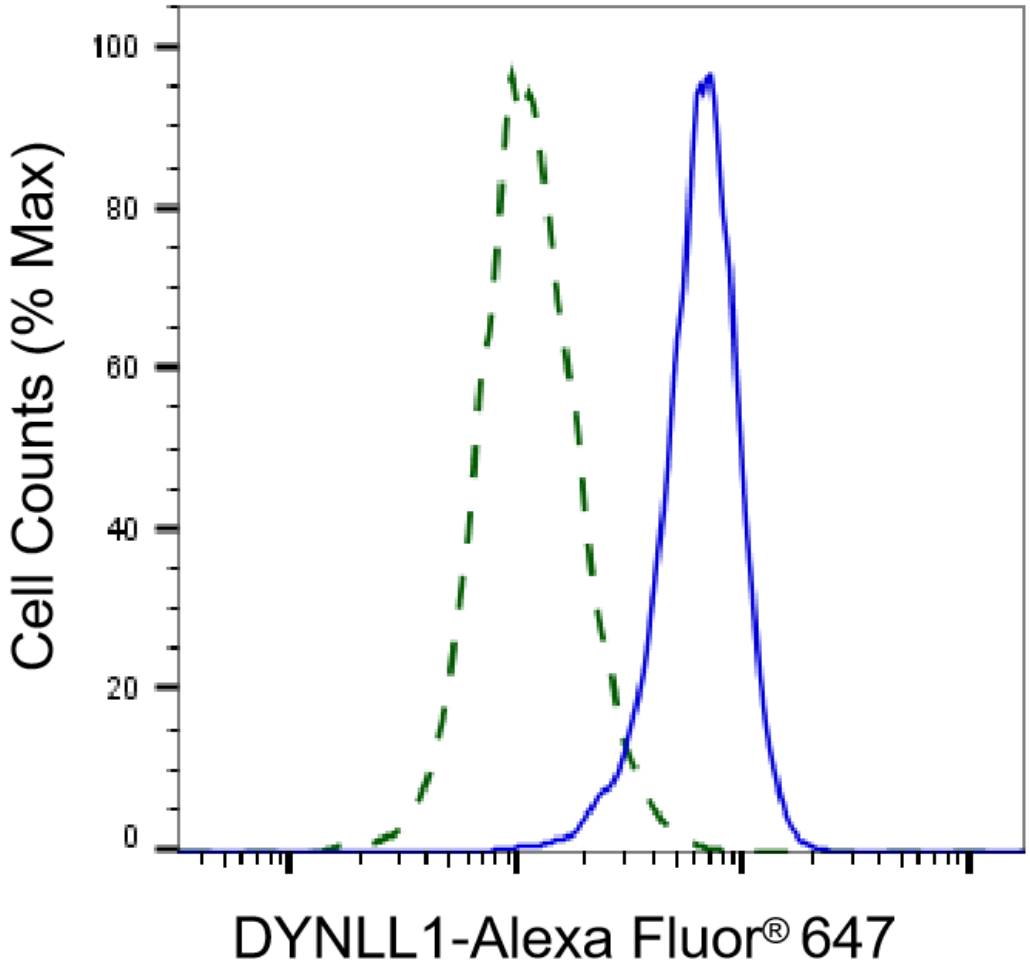

Validation of DYNLL1 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with anti-DYNLL1 antibody (Cat#61946, 1:2,000) and analyzed using BD flow cytometer.

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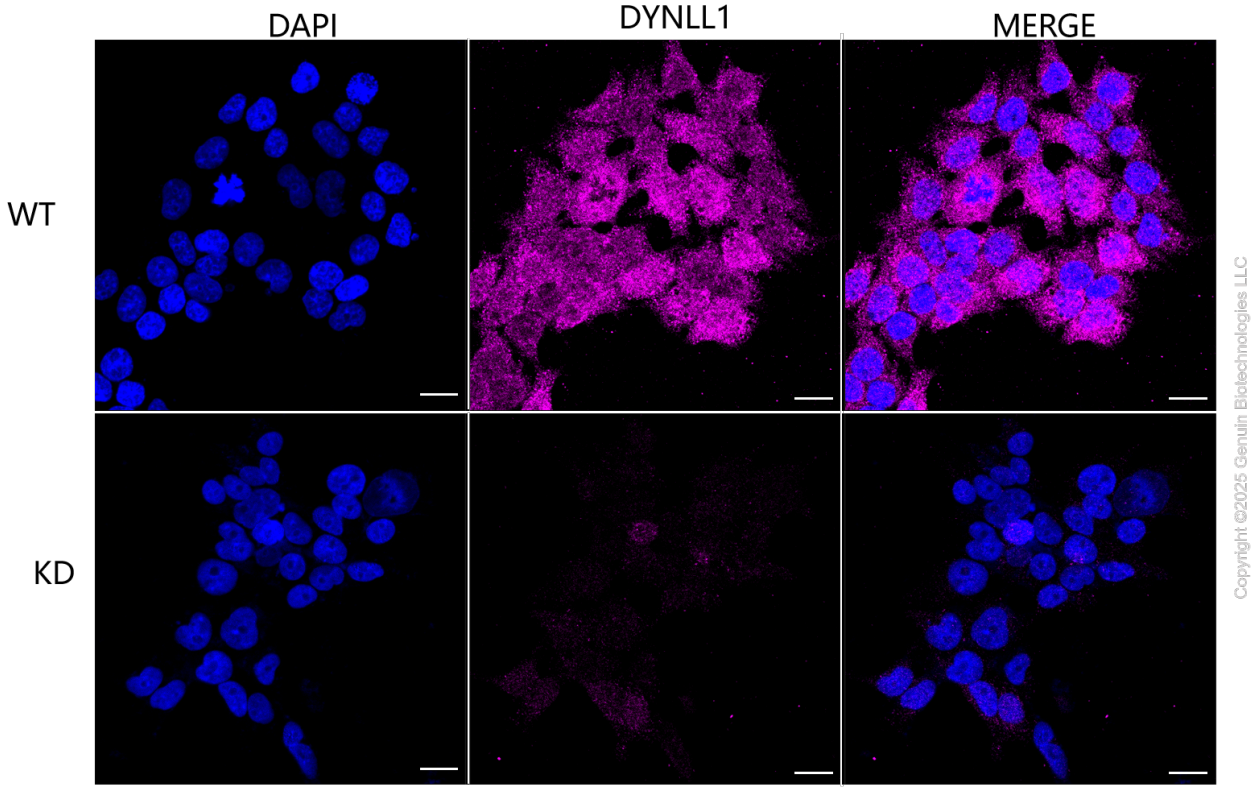
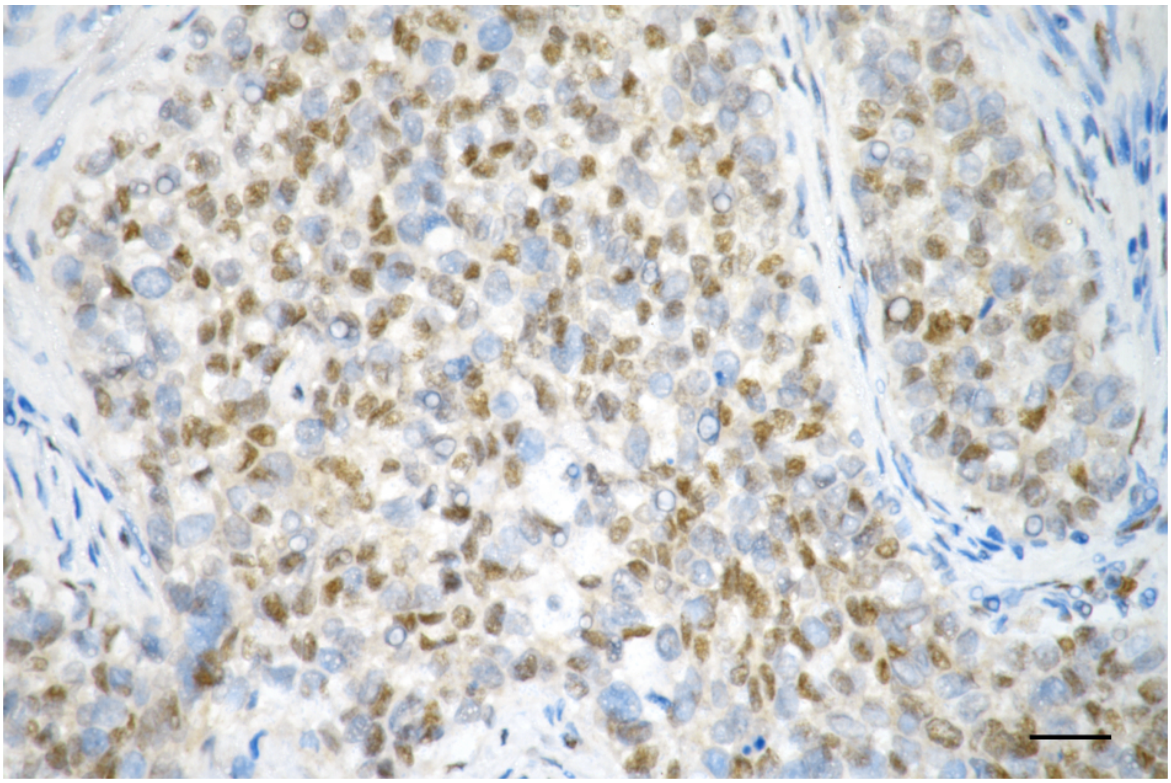


Immunocytochemical staining of HeLa cells using anti-DYNLL1 antibody (Cat#61946, 1:1,000), Top panel: wild-type (WT); Bottom panal: DYNLL1 shRNA knockdown (KD). Nuclei were stained blue with DAPI;DYNLL1 was stained magenta with Alexa Fluor® 647. Scale bar, 20 µm. Permeabilization: Triton.



Immunohistochemistry was performed on paraffin-embedded human breast carcinoma using anti-DYNLL1 antibody (Cat#61946, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 µm.