

KO-Validated Anti-CD274 Recombinant Rabbit Monoclonal Antibody



Catalog #: 71191

Aliases

CD274; CD274 Molecule; PD-L1; B7H1; PDL1; Programmed Cell Death 1 Ligand 1; CD274 Antigen; B7 Homolog 1; PDCD1LG1; B7-H1; B7-H; PDCD1 Ligand 1; PDCD1L1; HPD-L1; Programmed Death Ligand 1

Background

Gene Name: CD274

NCBI Gene Entry: [29126](#)

UniProt Entry: [Q9NZQ7](#)

Application Information

Molecular Weight: Predicted, 33 kDa; observed, 46 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 25GB2325

Species Reactivity: Human, mouse, rat

Applications Tested: Western blotting (WB), immunohistochemistry (IHC)

Immunogen

A synthesized peptide derived from human PD-L1 (CD274)

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

Immunohistochemistry (IHC): 1:100-1:200

Note: This product is for research use only.

Validation Data

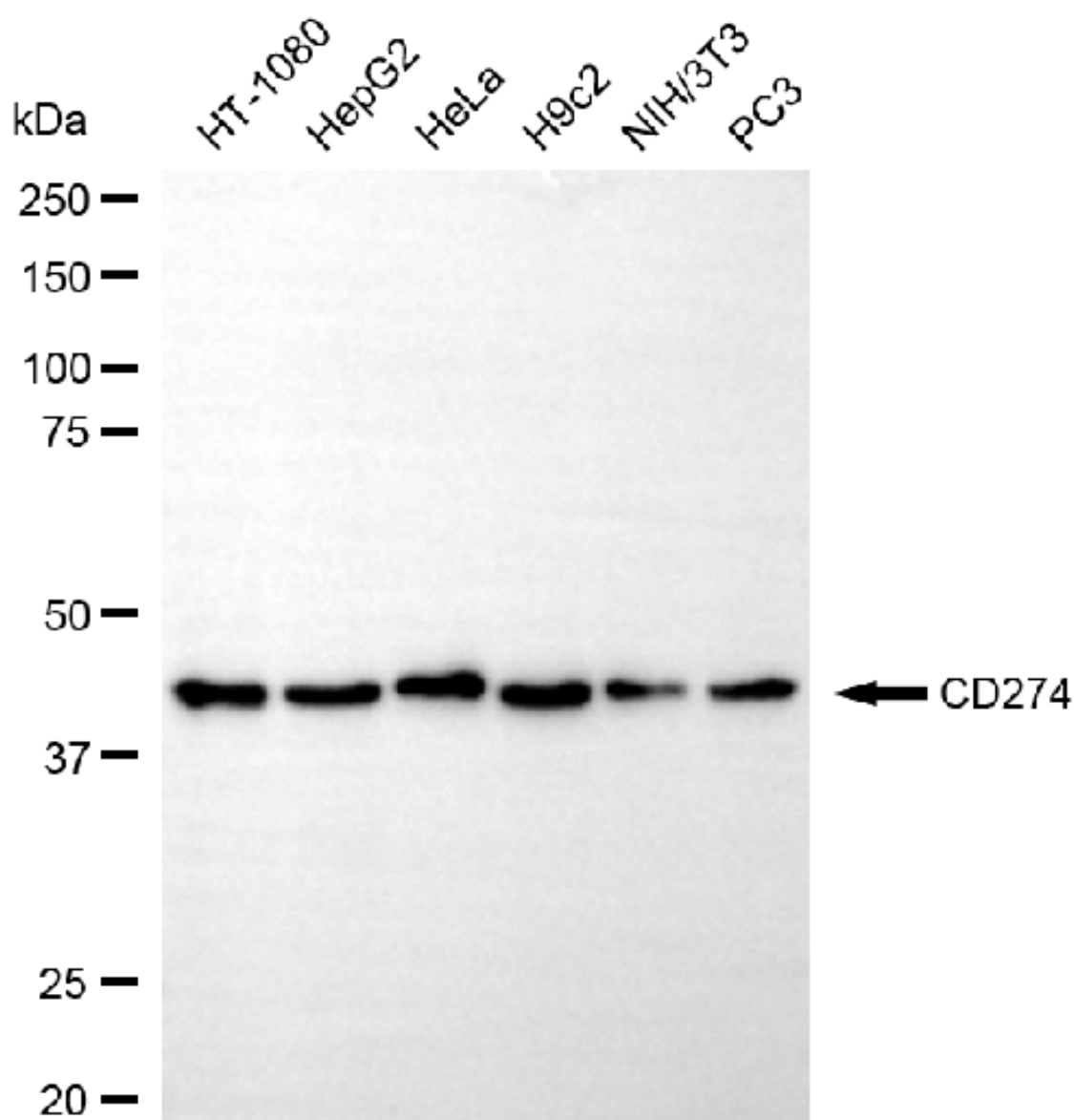
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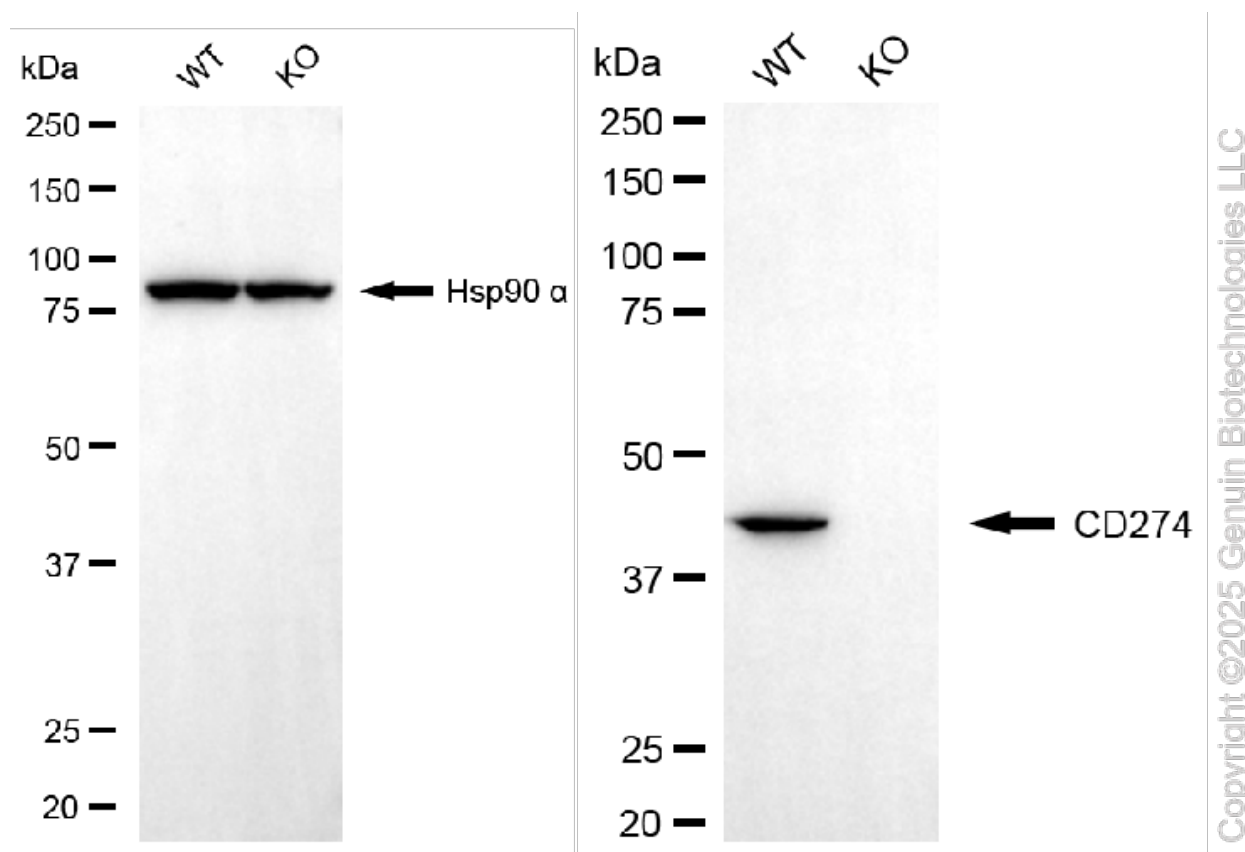
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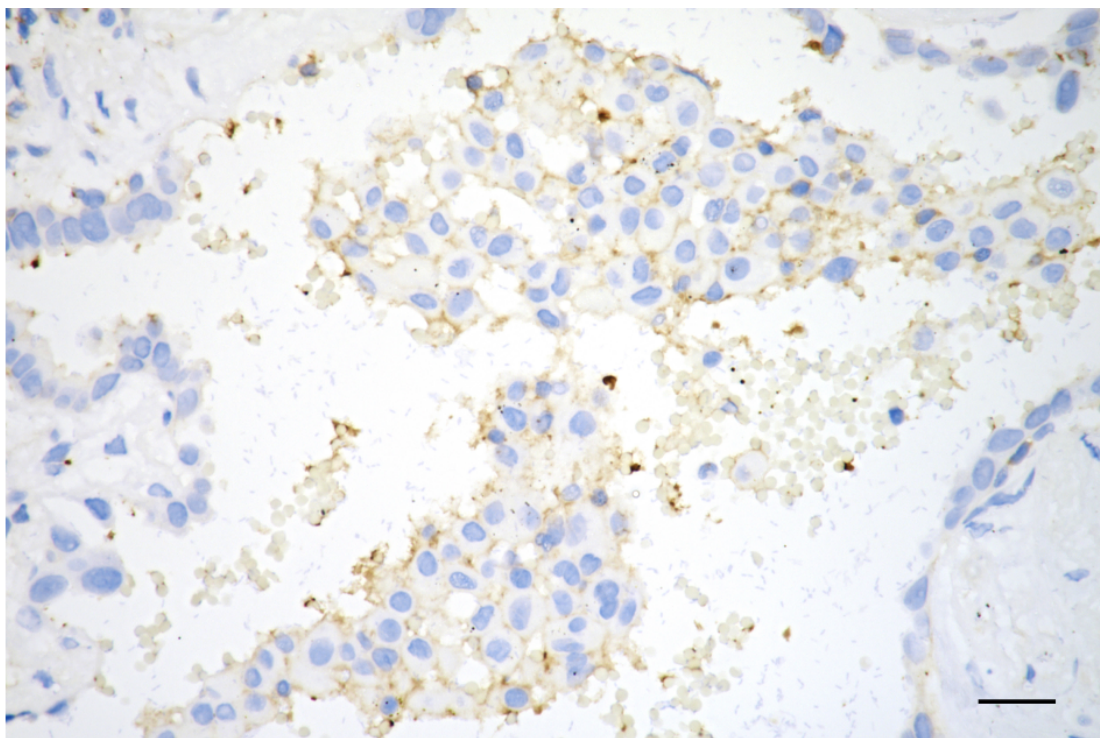


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Western blotting analysis using anti-CD274 antibody (Cat#71191). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-CD274 antibody (Cat#71191, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).



Western blotting analysis using anti-CD274 antibody (Cat#71191). CD274 expression in wild type (WT) and CD274 knockout (KO) HSHC cells with 50 μ g of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-CD274 antibody (Cat#71191, 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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Immunohistochemistry was performed on paraffin-embedded human lung adenocarcinoma using anti-glial fibrillary acidic protein antibody (Cat#71191, 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 μ m.