9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

KD-Validated Anti-MUC4 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

ABG1237

Product Overview

Name	KD-Validated Anti-MUC4 Rabbit Monoclonal Antibody
Accession(Primary)	Q99102
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human MUC4
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 232 kDa; observed, 120 kDa
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	Western blotting (WB): 1:1,000-1:5,000Flow Cytometry (FCM): 1:2,000Immunocytochemistry (IC): 1:100-1:1,000

Target information (Q99102)

Gene Name	MUC4
About Gene Symbol	MUC4 (Mucin 4, Cell Surface Associated) is a protein kinase and signaling regulator involved in cell signaling and proliferation. It is an important research target in cancer research and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.

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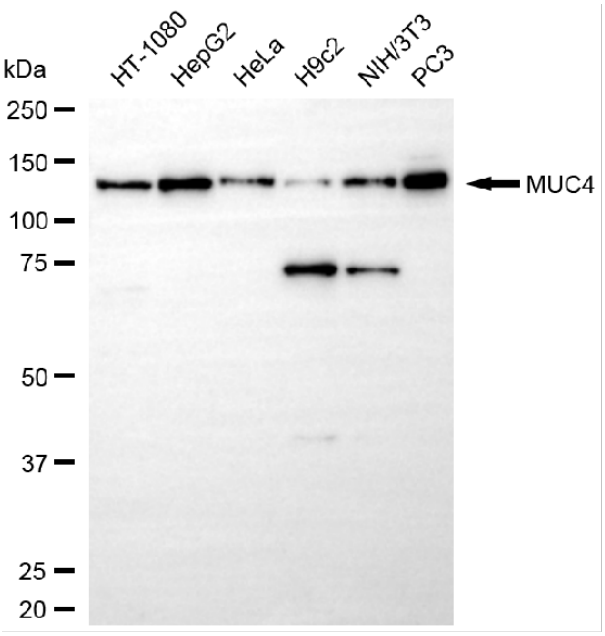

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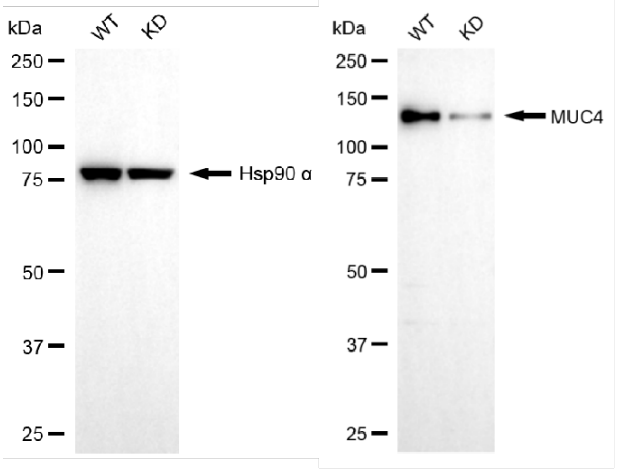
Western blotting analysis using anti-MUC4 antibody (Cat#ABG1237). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-MUC4 antibody (Cat#ABG1237, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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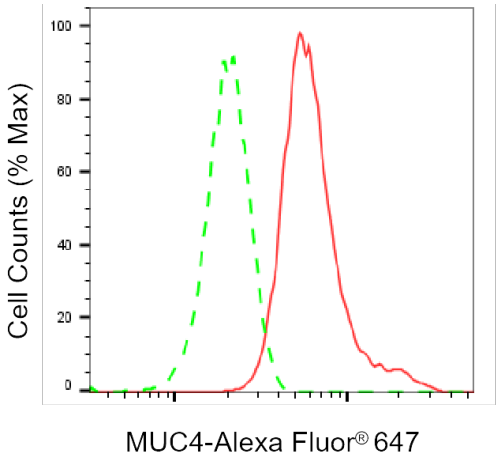
Western blotting analysis using anti-MUC4 antibody (Cat#ABG1237). MUC4 expression in wild-type (WT) and MUC4 knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-MUC4 antibody (Cat#ABG1237, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Flow cytometric analysis of MUC4 expression in HeLa cells using MUC4 antibody (Cat#ABG1237, 1:2,000). Green, isotype control; red, MUC4.

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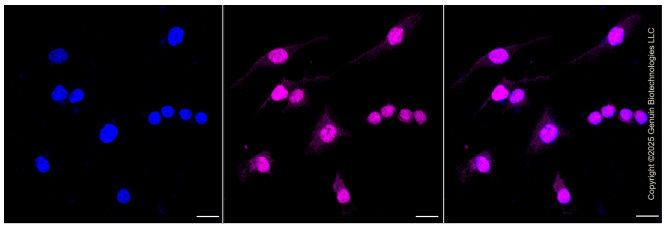

Immunocytochemical staining of HeLa cells with anti-MUC4 antibody (Cat#ABG1237, 1:1000). Nuclei were stained blue with DAPI; MUC4 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.