

KD-Validated Anti-Keratin 4 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

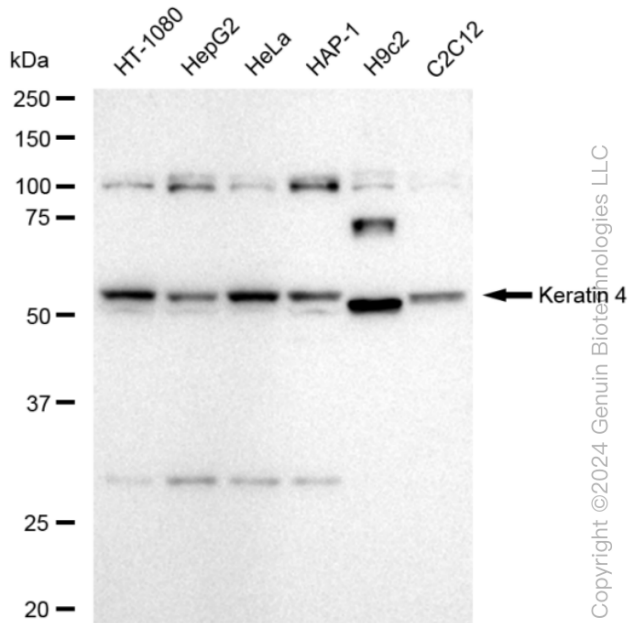
ABG1551

Product Overview

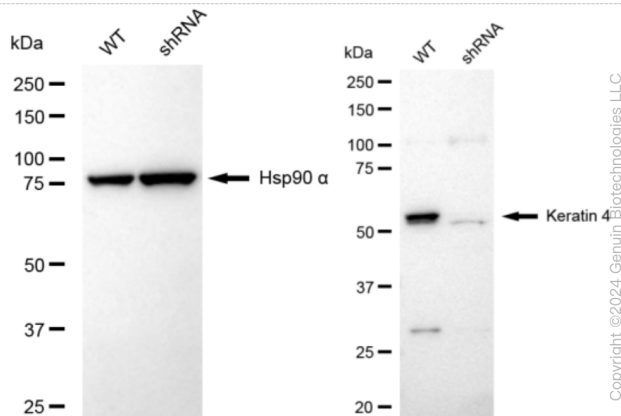
Name	KD-Validated Anti-Keratin 4 Rabbit Monoclonal Antibody
Accession(Primary)	P19013
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human Cytokeratin 4
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 56 kDa , observed , 57 kDa
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	Western Blotting (WB):1:1,000-1:20,000 Flow Cytometry (FCM): 1:2,000 Immunocytochemistry (IC): 1:1,000

Target information (P19013)

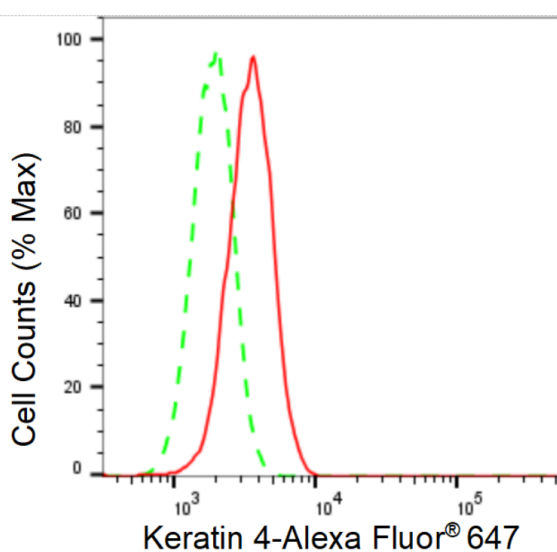
Gene Name	KRT4
About Gene Symbol	KRT4 (Keratin 4) is a keratin cytoskeletal protein involved in cytoskeletal organization. It is an important research target in cell biology, cancer metastasis, and cytoskeletal research and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.



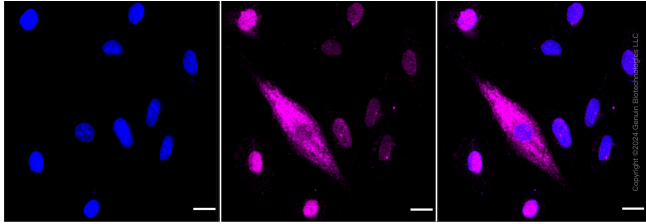
Western blotting analysis using anti-Keratin 4 antibody (Cat#ABG1551). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Keratin 4 antibody (Cat#ABG1551, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-Keratin 4 antibody (Cat#ABG1551). Keratin 4 expression in wild type (WT) and Keratin 4 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-Keratin 4 antibody (Cat#ABG1551, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of Keratin 4 expression in H9c2 cells using Keratin 4 antibody (Cat#ABG1551, 1:2,000). Green, isotype control; red, Keratin 4.



Immunocytochemical staining of H9C2 cells with anti-Keratin 4 antibody (Cat#ABG1551, 1:1,000). Nuclei were stained blue with DAPI; Keratin 4 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 μ m.