

KD-Validated Anti-WD Repeat Domain 77 Mouse Monoclonal Antibody



Catalog #: 64871

Aliases

WDR77; WD Repeat Domain 77; MEP50; Methylosome Protein 50; P44; WD Repeat-Containing Protein 77; Androgen Receptor Cofactor P44; Methylosome Protein WDR77; P44/Mep50; MEP-50; Testis Tissue Sperm-Binding Protein Li 44a; Nbla10071; HKMT1069; WD45

Background

Gene Name: WDR77

NCBI Gene Entry: [79084](#)

UniProt Entry: [Q9BQA1](#)

Application Information

Molecular Weight: Predicted, 37 kDa; observed, 42 kDa

Clonality: Mouse monoclonal antibody

Clone ID: 24GB13360

Species Reactivity: Human

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

Immunogen

Recombinant protein of human WDR77

Isotype

Mouse IgG1

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): 1:500-1:2,500

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

Flow Cytometry (FCM): 1:2,000

Note: This product is for research use only.

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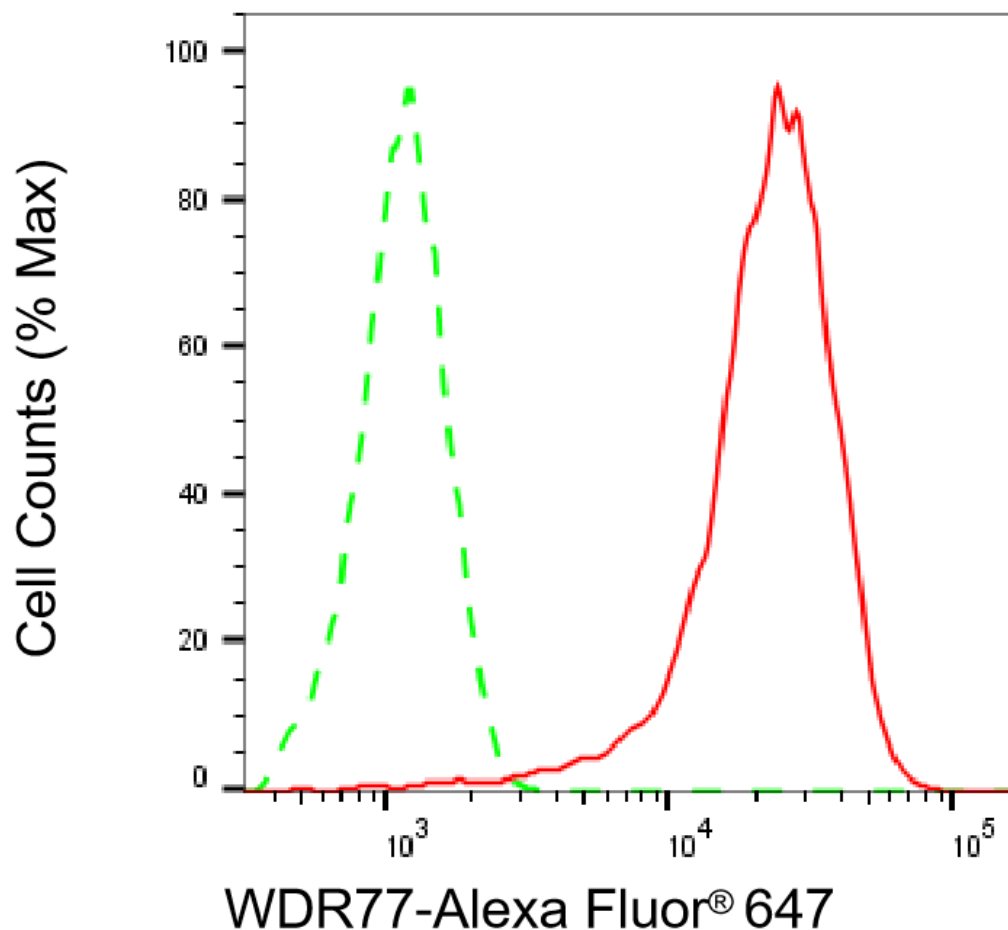
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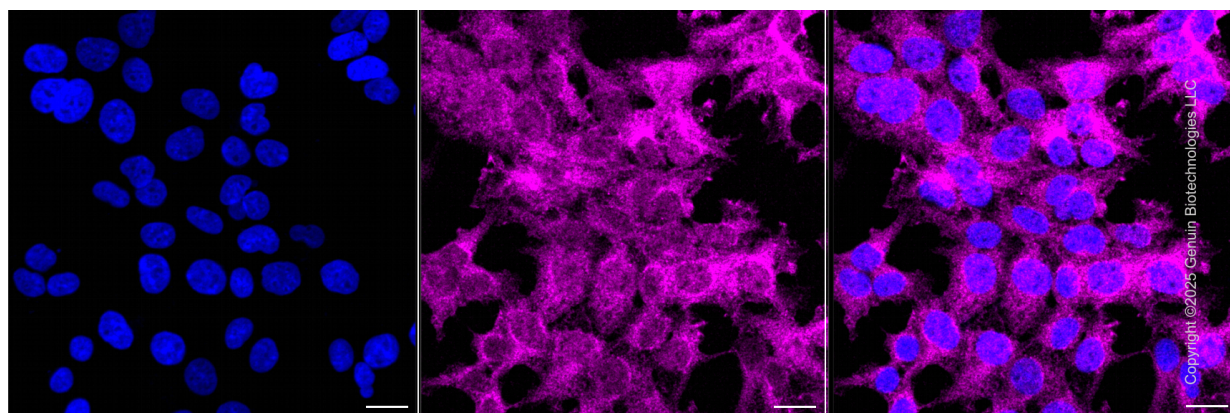
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Validation Data



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Flow cytometric analysis of WDR77 expression in HeLa cells using anti-WDR77 antibody (Cat#64871, 1:2,000). Green, isotype control; red, WDR77.



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Immunocytochemical staining of HeLa cells with anti-WDR77 associated protein antibody (Cat#64871, 1:1,000). Nuclei were stained blue with DAPI; WDR77 associated protein was

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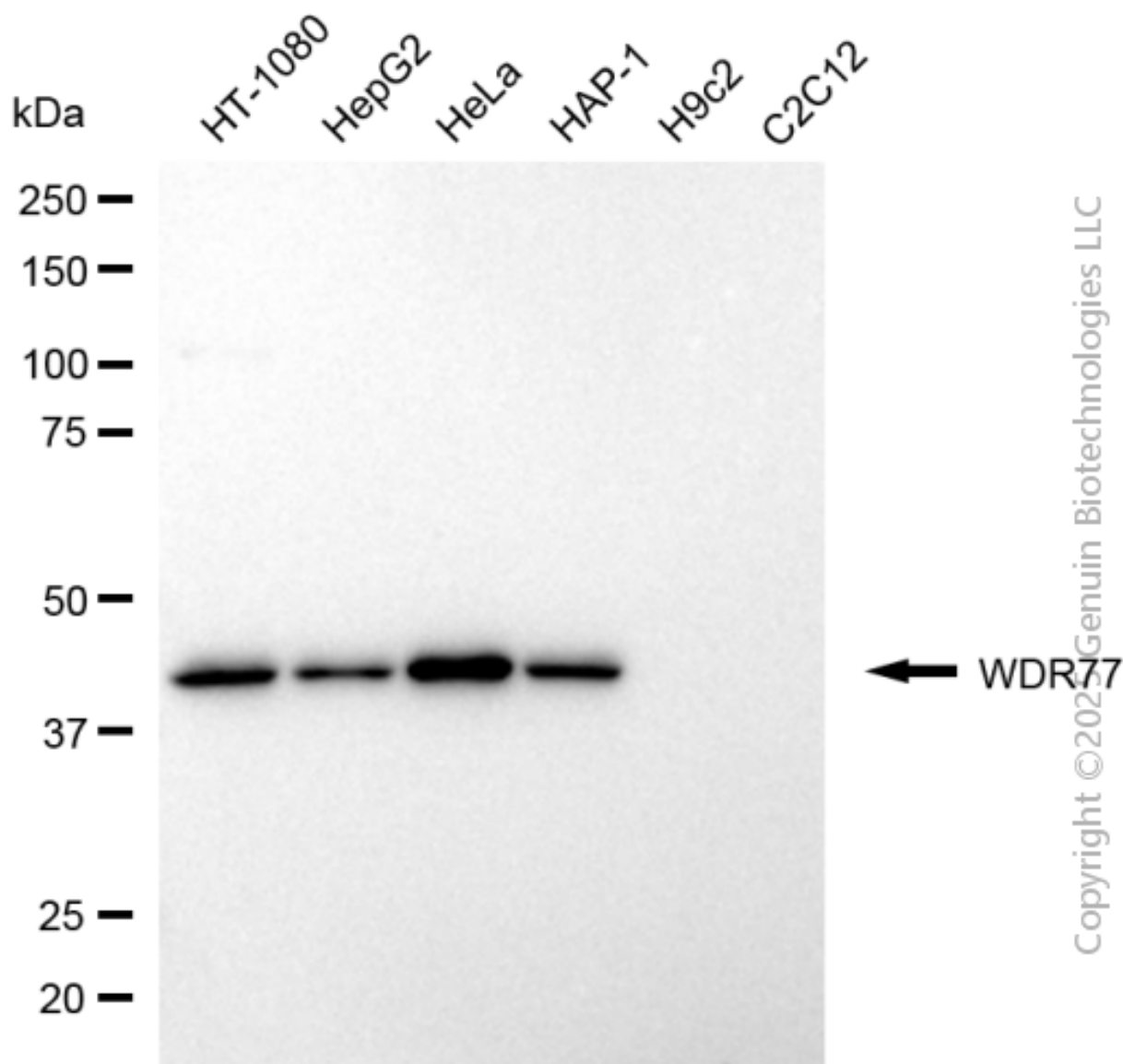
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stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 μ m.



Western blotting analysis using anti-WDR77 antibody (Cat#64871). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-WDR77 antibody (Cat#64871, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (Cat#101, 1:20,000) respectively. Image was developed using FeQTM ECL Substrate Kit (Cat#226).

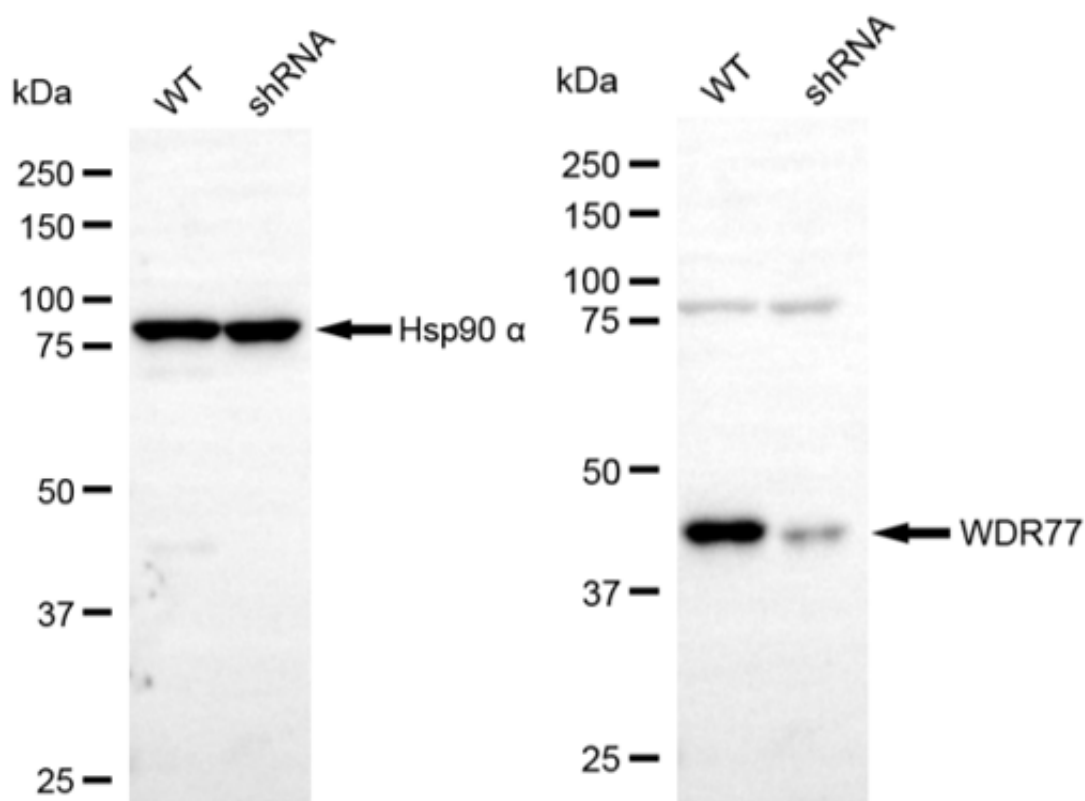
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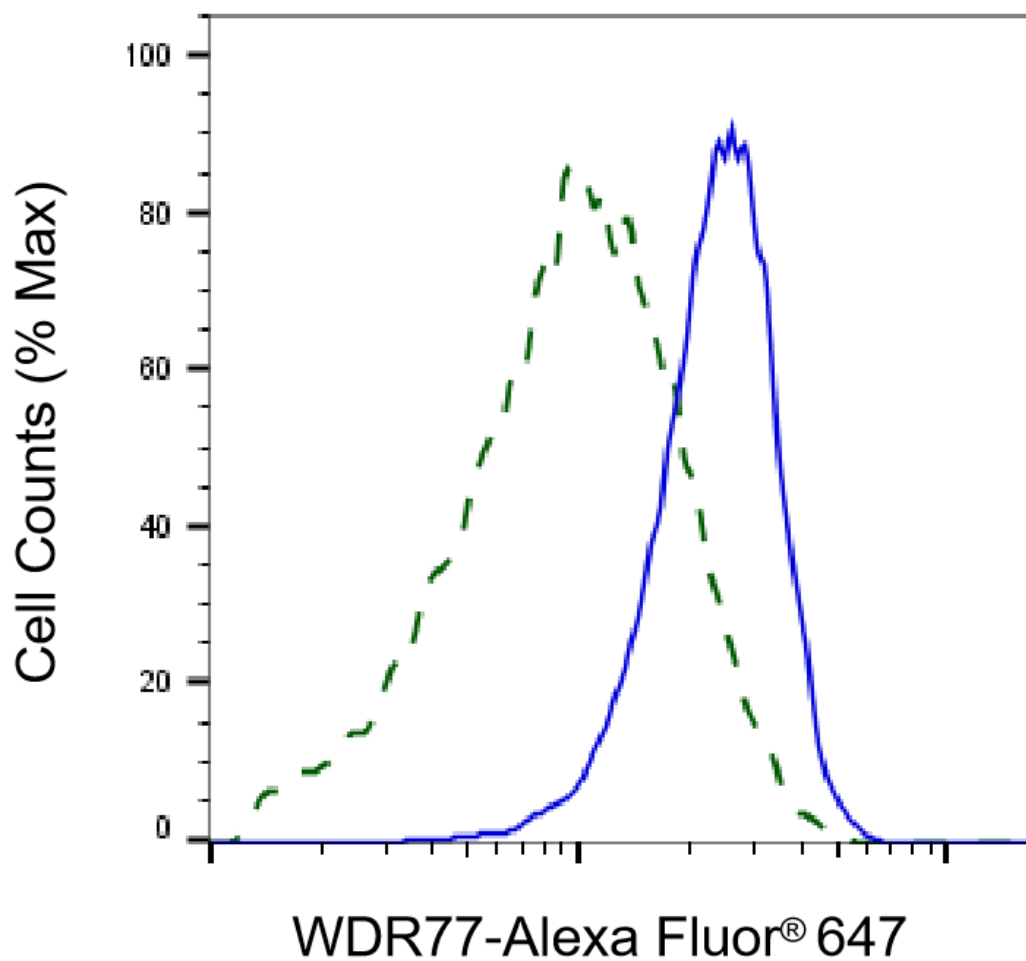
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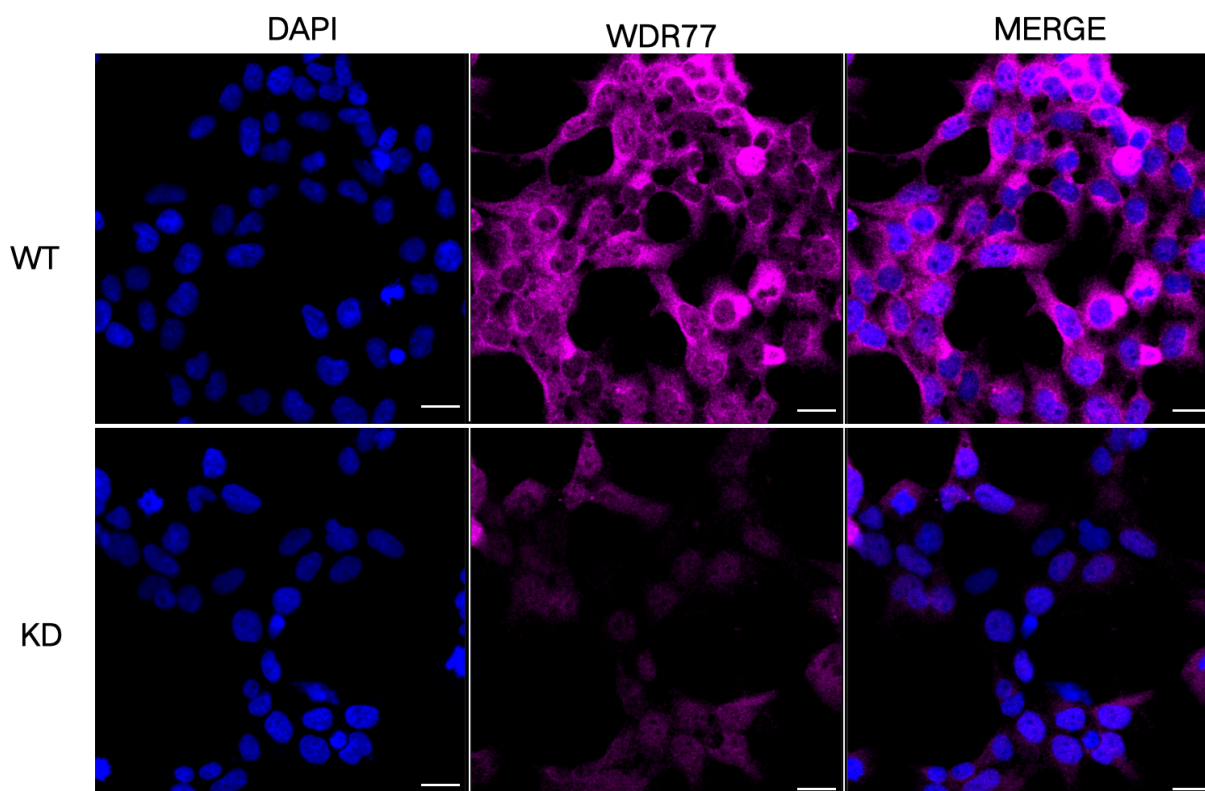
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Western blotting analysis using anti-WDR77 antibody (Cat#64871). WDR77 expression in wild-type (WT) and WDR77 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-WDR77 antibody (Cat#64871, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (Cat#101, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).



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Validation of WDR77 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with anti-WDR77 antibody (Cat#64871, 1:2,000) and analyzed using BD flow cytometer.



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Immunocytochemical staining of HeLa cells using anti-WDR77 antibody (Cat#64871, 1:1,000), Top panel: wild-type (WT); Bottom panel: WDR77 shRNA knockdown (KD). Nuclei were stained blue with DAPI; Acyl-CoA dehydrogenase short chain was stained magenta with Alexa Fluor® 647. Scale bar, 20 μ m.