

bsm-62341R

[Primary Antibody]

WDR4 Recombinant Rabbit mAb

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ANTIBODIES

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DATASHEET

Host: Rabbit

Clonality: Recombinant

GeneID: 10785

Target: WDR4

Isotype: IgG

CloneNo.: 9A11

SWISS: P57081

Immunogen: A synthesized peptide derived from human WDR4: 311-345/412.

Purification: affinity purified by Protein A

Storage: 10mM phosphate buffered saline(pH 7.4) with 150mM sodium chloride, 0.05% BSA, 0.02% Proclin300 and 50% glycerol. Store at 4°C for short term. Store at -20°C for long term. Avoid repeated freeze/thaw cycles.

Background: Required for the formation of N(7)-methylguanine at position 46 (m7G46) in tRNA. In the complex, it is required to stabilize and induce conformational change of the catalytic subunit.

Applications: **WB** (1:500-2000)

IHC-P (1:50-200)

IHC-F (1:50-200)

IF (1:50-200)

Flow-Cyt (1:50-100)

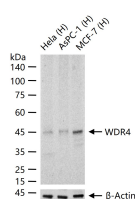
ICC/IF (1:50-200)

Reactivity: Human

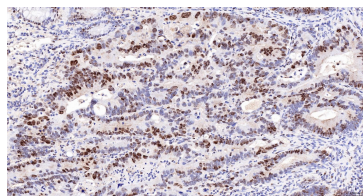
Predicted MW.: 45 kDa

Observed MW.: 45 kDa

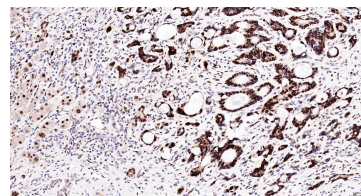
VALIDATION IMAGES



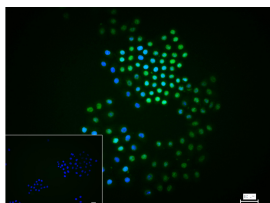
25 ug total protein per lane of various lysates (see on figure) probed with WDR4 monoclonal antibody, unconjugated (bsm-62341R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



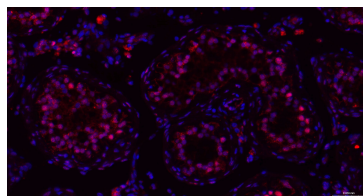
Paraformaldehyde-fixed, paraffin embedded Human Colon Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with WDR4 Monoclonal Antibody, Unconjugated (bsm-62341R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



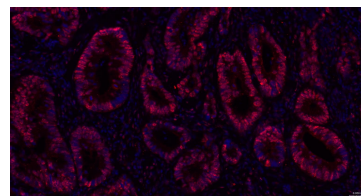
Paraformaldehyde-fixed, paraffin embedded Human Liver Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with WDR4 Monoclonal Antibody, Unconjugated (bsm-62341R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



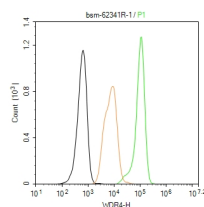
4% Paraformaldehyde-fixed HeLa (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (WDR4) monoclonal Antibody, unconjugated (bsm-62341R) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-60295G-BF488) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.



Paraformaldehyde-fixed, paraffin embedded Human Testicles; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with WDR4 Monoclonal Antibody, Unconjugated (bsm-62341R) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (red, bs-0295G-BF594), DAPI (blue, C02-04002) was used to stain the cell nuclei.



Paraformaldehyde-fixed, paraffin embedded Human colon cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with WDR4 Monoclonal Antibody, Unconjugated (bsm-62341R) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (red, bs-0295G-BF594), DAPI (blue, C02-04002) was used to stain the cell nuclei.



The HeLa (H) cells were fixed with 4% PFA (10 min at r.t.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, the cells then were incubated in 5% BSA to block non-specific protein-protein interactions (30 min at r.t.), followed by secondary antibody incubation for 40 min at room temperature. Primary Antibody (green): Rabbit Anti-WDR4 antibody (bsm-62341R, 1:100); Isotype Control (orange): Rabbit IgG (bs-0295P). Blank control (black): PBS. Acquisition of 20,000 events was performed.