

Rabbit anti-Human WDR4 Polyclonal Antibody | anti-WDR4 antibody

Anti-WDR4 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA256417	Rabbit	Human	Immunoprecipitation, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

WDR4; Polyclonal Antibody; Anti-WDR4 Antibody; Rabbit Polyclonal; WDR4 Antibody; Rabbit PAb; Antigen Affinity Purified; WD repeat domain 4; Anti-TRM82 Antibody; Anti-TRMT82 Antibody; anti-WDR4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human WDR4
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-WDR4 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived Human WDR4 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human WDR4 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

WDR4 was immunoprecipitated using: Lane A: 0.5 mg HeLa Whole Cell Lysate 4 uL anti-WDR4 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-WDR4 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Clean-Blot IP Detection Reagent (HRP) at 1:1000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 45 kDa. Observed band size: 45 kDa.



IHC (Immunohistochemistry)

Immunochemical staining of human WDR4 in human liver with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)

Anti-WDR4 rabbit polyclonal antibody at 1:500 dilution Lane A: HeLa Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 45 kDa Observed band size: 45 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-WDR4 antibody	Wuho known as WDR4 encodes a highly conserved WD40-repeat protein, which has known homologs of WDR4 in the human and mouse. Wuho-FEN1 interaction may have a critical role in the growth and development and the maintenance of genome stability. Wuho deficiency would induce gammaH2AX protein level elevation, heterochromatin relaxation, and DNA damage down-stream sequences, including p53 activation, caspase-mediated apoptotic pathway, and p21-mediated G2/M cell cycle arrest. WDR4 is the human ortholog of the yeast Trm82, an essential component of the Trm8/Trm82 holoenzyme that affects a highly conserved and specific (m(7)G46) methylation of tRNA. WDR4 negatively regulates promyelocytic leukemia (PML) via ubiquitination to promote lung cancer progression by fostering an immunosuppressive and prometastatic tumor microenvironment, suggesting the potential of immune-modulatory approaches for treating lung cancer with aberrant PML degradation.
References	Wang YT, et al. (2017) Ubiquitination of tumor suppressor pml regulates prometastatic and immunosuppressive tumor microenvironment. J Clin Invest 127 (8): 2982-2997. Shaheen R, et al. (2015) Mutation in wdr4 impairs trna m(7)g46 methylation and causes a distinct form of microcephalic primordial dwarfism. Genome Biol 16 210. Lee CC, et al. (2018) Wuho/wdr4 deficiency inhibits cell proliferation and induces apoptosis via DNA damage in mouse embryonic fibroblasts. Cell Signal 47 16-26.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/wdr4-antibody-immunoprecipitation-immunohistochemistry-western-blot-elisa/256417>