Product Datasheet

WDHD1 Antibody - Azide and BSA Free
NBP2-93674-0.1ml

Unit Size: 0.1 ml

Store at -20C. Avoid freeze-thaw cycles.

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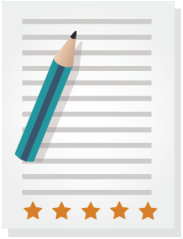
Updated 3/4/2026 v.20.1



NBP2-93674-0.1ml

WDHD1 Antibody - Azide and BSA Free

Product Information

Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Thimerosal
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.3), 50% glycerol

Product Description

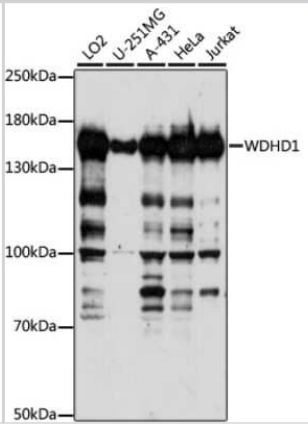
Host	Rabbit
Gene ID	11169
Gene Symbol	WDHD1
Species	Human, Rat
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 830-1129 of human WDHD1 (NP_009017.1). EEEEEEDFRKKLNAGYSNTATEWSQPRFRNQVEEDAEDSGEADDEEKPEIHK PGQNSFSKSTNSSDVSAKSGAVTFSSQGRVNPFKVSASSKEPAMSMNSARST NILDNMGKSSKKSTALSRTTNNEKSPIIKPLIPKPKPKQASAASYFQKRNSQTNK TEEVKEENLKNVLSETPAICPPQNTENQRPKTGFQMWLEENRSNILSDNPDFS DEADIIKEGMIRFRVLSTEERKVWANKAKGETASEGTEAKKRKRVVDESDETEN QEEKAKENLNLSKKQKPLDFSTNQKLSAFAFKQE

Product Application Details

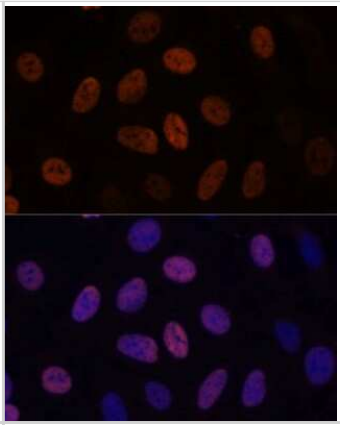
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:200-1:2000, Immunohistochemistry 1:50-1:200, Immunocytochemistry/ Immunofluorescence 1:50-1:200, Immunohistochemistry-Paraffin

Images

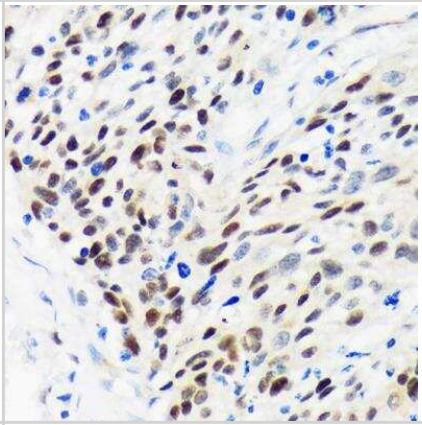
Western Blot: WDHD1 Antibody [NBP2-93674] - Analysis of extracts of various cell lines, using WDHD1 at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit . Exposure time: 10s.



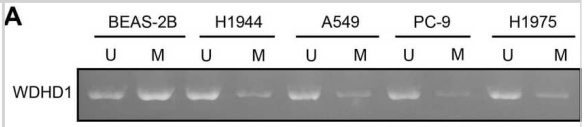
Immunocytochemistry/Immunofluorescence: WDHD1 Antibody [NBP2-93674] - Analysis of U-2 OS cells using WDHD1 at dilution of 1:100. Blue: DAPI for nuclear staining.



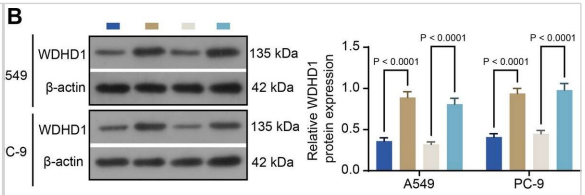
Immunohistochemistry-Paraffin: WDHD1 Antibody [NBP2-93674] - Human esophageal cancer using WDHD1 Rabbit pAb at dilution of 1:100 (40x lens).



DNA demethylases TET1/TET3 activates WDHD1 in LUAD cells. (A) The level of WDHD1 promoter methylation in LUAD cells (H1944, A549, PC-9, and H1975 cells) and the human bronchial epithelial cell line (BEAS-2B) was examined using qMSP. (B) The protein expression of TET1, TET2, and TET3 in LUAD cells (H1944, A549, PC-9, and H1975 cells) and BEAS-2B cells was examined using western blot analysis. (C) The methylation of the WDHD1 promoter in tumors and paracancerous tissues of 16 LUAD patients was examined using qMSP. (D) The protein expression of TET1 and TET3 in tumors and paracancerous tissues of 16 LUAD patients was examined using western blot analysis. (E) Transcriptional levels of WDHD1, TET1, and TET3 in A549 and PC-9 cells after infection with KD-TET1 or KD-TET3 were examined using RT-qPCR. (F) The protein expression of WDHD1, TET1, and TET3 in LUAD cells after infection with KD-TET1 or KD-TET3 was examined using western blot analysis. (G) The level of WDHD1 promoter methylation in A549 and PC-9 cells after infection with KD-TET1 or KD-TET3 was examined using qMSP. p-values were calculated using paired t-tests or two-way ANOVA. Mean +/- SEM was presented. The average results from five independent experiments are shown Image collected and cropped by CiteAb from the following open publication (https://respiratory-research.biomedcentral.com/articles/10.1186/s12931-025-03399-z), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Exogenous expression of WDHD1 reverses knockdown of TET1/TET3-blocked LUAD glycolysis. (A) Transcriptional levels of WDHD1 in A549 and PC-9 cells after infection of KD-TET1 + OE-WDHD1 or KD-TET3 + OE-WDHD1 were examined using RT-qPCR. (B) The protein expression of WDHD1 in LUAD cells after infection of KD-TET1 + OE-WDHD1 or KD-TET3 + OE-WDHD1 was examined using western blot analysis. Glycolytic activity and capacity of A549 (C) and PC-9 (D) cells were analyzed. (E) Detection of 2,3-BPG contents in A549 and PC-9 cells after infection of KD-TET1 or KD-TET3 alone or combined with OE-WDHD1 by ELISA. (F) Detection of 2-PG in A549 and PC-9 cells after infection of KD-TET1 or KD-TET3 alone or combined with OE-WDHD1 by ELISA. (G) Lactate production in A549 and PC-9 cells after infection of KD-TET1 or KD-TET3 alone or combined with OE-WDHD1. p-values were calculated using two-way ANOVA. Mean +/- SEM was presented. The average results from five independent experiments are shown Image collected and cropped by CiteAb from the following open publication (https://respiratory-research.biomedcentral.com/articles/10.1186/s12931-025-03399-z), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



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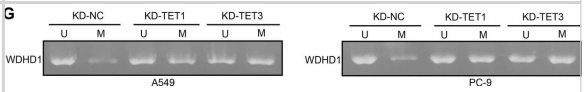

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NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-89091PEP	WDHD1 Recombinant Protein Antigen

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