

Product Datasheet

Fibulin 2 Antibody - BSA Free NBP1-33479

Unit Size: 100 ul

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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NBP1-33479

Fibulin 2 Antibody - BSA Free

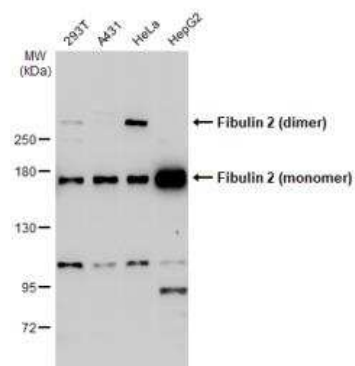
Product Information	
Unit Size	100 ul
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.025% Proclin 300
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS, 20% Glycerol
Target Molecular Weight	127 kDa

Product Description	
Description	Novus Biologicals Rabbit Fibulin 2 Antibody - BSA Free (NBP1-33479) is a polyclonal antibody validated for use in IHC and WB. Anti-Fibulin 2 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	2199
Gene Symbol	FBLN2
Species	Human, Mouse, Rat
Immunogen	Recombinant protein encompassing a sequence within the N-terminus region of human Fibulin 2. The exact sequence is proprietary.

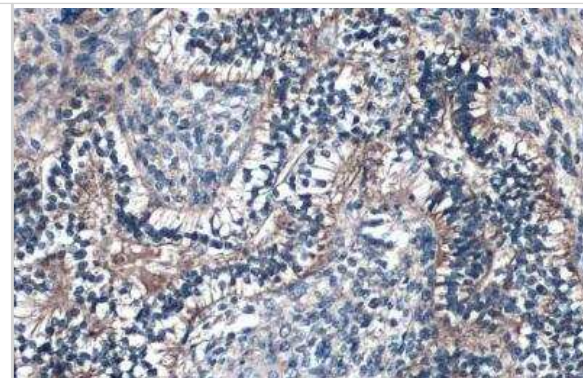
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000

Images

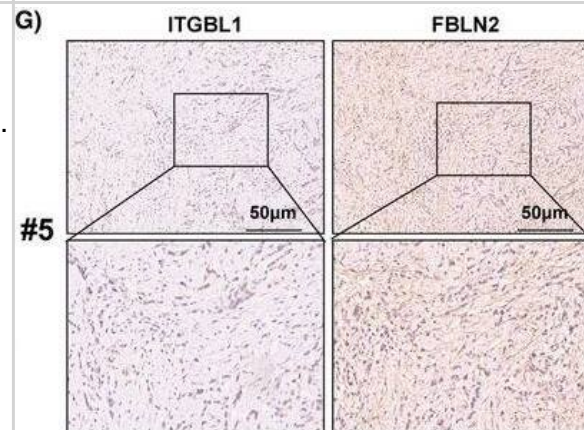
Western Blot: Fibulin 2 Antibody [NBP1-33479] - Various whole cell extracts (30 ug) were separated by 5% SDS-PAGE, and the membrane was blotted with Fibulin 2 antibody diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



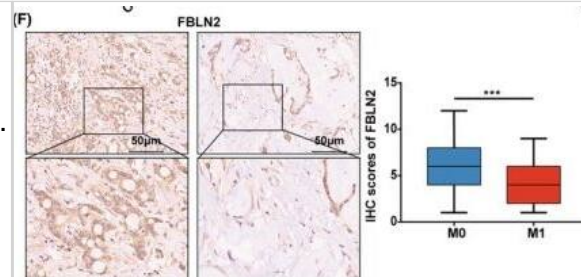
Immunohistochemistry-Paraffin: Fibulin 2 Antibody [NBP1-33479] - Human endometrial carcinoma. Fibulin 2 stained by Fibulin 2 antibody diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



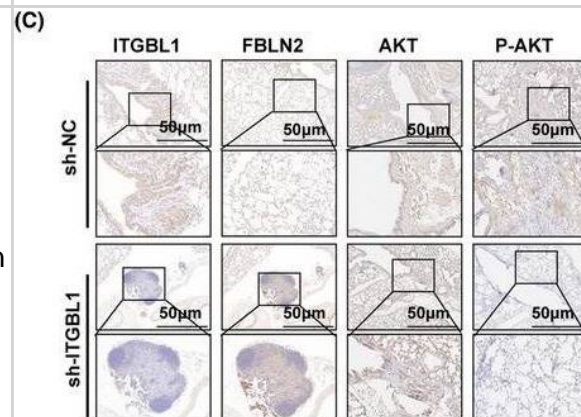
ITGBL1 negatively regulated FBLN2 expression (A). Heatmap of DEGs in AR \square AGS and ITGBL1 \square overexpressing AR \square AGS cells after 48 h of suspension culture. (B) Volcano plot of DEGs in AR \square AGS and ITGBL1 \square overexpressing AR \square AGS cells after 48 h of suspension culture. (C) Overlap analysis of DEGs between the LASSO technique and SVM algorithm. (D) The protein expression of FBLN2 and ITGBL1 in WT and AR \square GC cells. GAPDH served as a loading control. The quantification of Western blot band densities was performed using the ImageJ program. (E) The protein expression of FBLN2 in ITGBL1 \square overexpressing AR \square AGS cells and ITGBL1 \square knockdown AR \square MKN45 cells after 48 h of suspension culture. GAPDH served as a loading control. The quantification of Western blot band densities was performed using the ImageJ program. (F) Typical images of stage M0 and M1 GC patients' tissues stained with FBLN2 by IHC. Scale bar, 50 μ m. (G) Typical images of ITGBL1 and FBLN2 IHC staining in tissue from GC patient #5 are shown. Scale bar, 50 μ m. (H) Correlation analysis between ITGBL1 and FBLN2 expression in GC tissues ($R = -0.2103$, $p = 0.0466$). (I) Kaplan–Meier curves of overall survival of GC patients classified into four subgroups based on ITGBL1 and FBLN2 expression. The experiments were conducted in triplicate. The values were represented as means with standard deviations (SD), and the statistical significance was assessed using Student's t -test. Nonsignificant results were denoted as 'ns', while significance levels were shown as * $p < 0.05$, ** $p < 0.01$, and *** $p < 0.001$. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/38332530>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



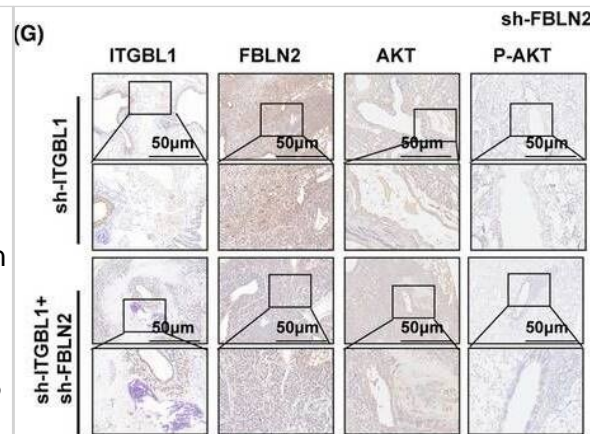
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The ITGBL1/FBLN2 axis promoted lung metastasis of AR \square GC cells in vivo. (A) Images of mouse lungs after transplantation with AR \square MKN45 cells and ITGBL1 \square knockdown AR \square MKN45 cells. (B) Typical images of haematoxylin–eosin staining in lung metastases from the sh \square NC and sh \square ITGBL1 groups. Scale bar, 50 μ m. (C) The expression of ITGBL1, FBLN2, AKT, and P \square AKT in mouse lung tissues in the sh \square NC group and the sh \square ITGBL1 group was determined by IHC experiments. Scale bar, 50 μ m. (D) The protein expression of FBLN2 in ITGBL1 \square knockdown AR \square MKN45 cells after infection with lentivirus carrying FBLN2 siRNA. GAPDH served as a loading control. The quantification of Western blot band densities was performed using the ImageJ program. (E) Images of mouse lungs after transplantation with ITGBL1 \square knockdown AR \square MKN45 cells and ITGBL1/FBLN2 double \square knockdown AR \square MKN45 cells. (F) Typical images of haematoxylin–eosin staining in lung metastases from the sh \square ITGBL1 and sh \square ITGBL1 + sh \square FBLN2 groups. Scale bar, 50 μ m. (G) The expression of ITGBL1, FBLN2, AKT, and P \square AKT in mouse lung tissues in the sh \square ITGBL1 group and the sh \square ITGBL1 + sh \square FBLN2 group was determined by IHC experiments. Scale bar, 50 μ m. (H) Diagrammatic representation of the ITGBL1/AKT/FBLN2 axis's regulation mechanisms in GC anoikis resistance and metastasis. The experiments were conducted in triplicate. The values were represented as means with standard deviations (SD), and the statistical significance was assessed using Student's t -test. Nonsignificant results were denoted as 'ns', while significance levels were shown as * $p < 0.05$, ** $p < 0.01$, and *** $p < 0.001$. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/38332530>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



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Publications

Kong X, Chen J, Xie W, Brown SM et Al. Defining UHRF1 Domains that Support Maintenance of Human Colon Cancer DNA Methylation and Oncogenic Properties *Cancer Cell* 2019-04-09 [PMID: 30956060]

Kanger Shen, Wei Xia, Kun Wang, Juntao Li, Wei Xu, Haoran Liu, Kexi Yang, Jinghan Zhu, Jiayu Wang, Qinhua Xi, Tongguo Shi, Rui Li ITGBL1 promotes anoikis resistance and metastasis in human gastric cancer via the AKT / FBLN2 axis *Journal of Cellular and Molecular Medicine* 2024-02-08 [PMID: 38332530]



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Products Related to NBP1-33479

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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