

Product Datasheet

SLFN5 Antibody - BSA Free

NBP1-81178

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Publications: 2

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Updated 12/2/2025 v.20.1

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NBP1-81178

SLFN5 Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

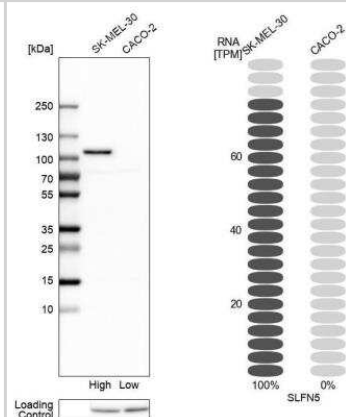
Product Description	
Description	Novus Biologicals Rabbit SLFN5 Antibody - BSA Free (NBP1-81178) is a polyclonal antibody validated for use in IHC, WB, ICC/IF and Simple Western. Anti-SLFN5 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	162394
Gene Symbol	SLFN5
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: ERHGVGLDVPPIFRSHLDKMQKENHFLIFVKSWNTEAGVPLATLCSNLYHRER TSTDVMDSQEALAFKCRQTPTNINVSNSLGPQAAQGSVQYEGNINVSAAAL FDRKRLQYLEKLNLPETHVEFVMFSTDVSHCVKD

Product Application Details	
Applications	Western Blot, Simple Western, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04 - 0.4 ug/ml, Simple Western 1:20, Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100. In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. See Simple Western Antibody Database for Simple Western validation: Tested in RT-4 and U-251MG, separated by Size, antibody dilution of 1:20, apparent MW was 92 kDa. Separated by Size-Wes, Sally Sue/Peggy Sue.

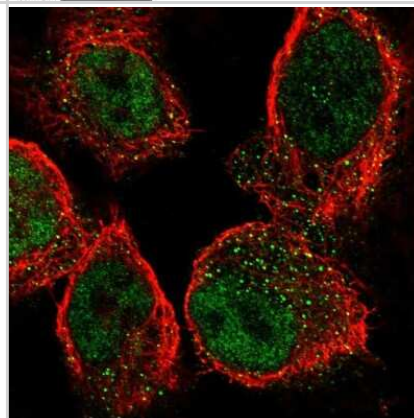


Images

Western Blot: SLFN5 Antibody [NBP1-81178] - Analysis in human cell lines SK-MEL-30 and Caco-2. Corresponding RNA-seq data are presented for the same cell lines. Loading control: Anti-HDAC1.



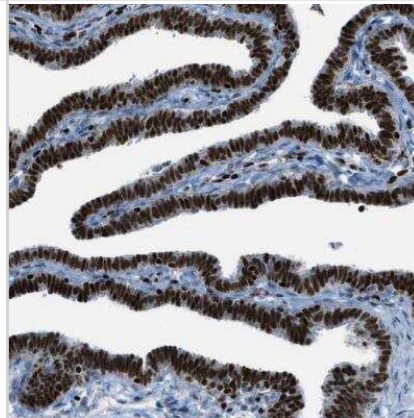
Immunocytochemistry/Immunofluorescence: SLFN5 Antibody [NBP1-81178] - Staining of human cell line A-431 shows localization to nucleoplasm & vesicles. Antibody staining is shown in green.



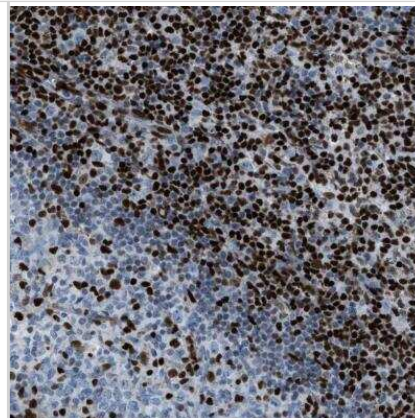
Immunohistochemistry-Paraffin: SLFN5 Antibody [NBP1-81178] - Staining of human skeletal muscle shows weak nuclear positivity in myocytes as expected.



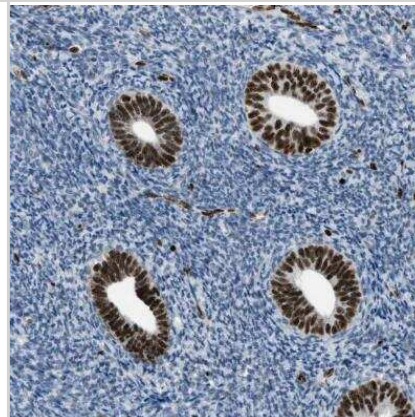
Immunohistochemistry-Paraffin: SLFN5 Antibody [NBP1-81178] - Staining of human Fallopian tube shows strong nuclear positivity in glandular cells.



Immunohistochemistry-Paraffin: SLFN5 Antibody [NBP1-81178] - Staining of human lymph node shows strong nuclear positivity in non-germinal center cells.



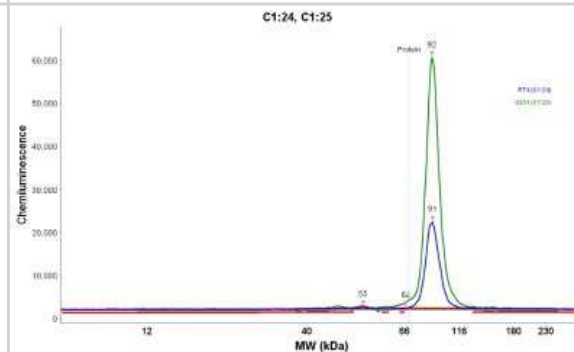
Immunohistochemistry-Paraffin: SLFN5 Antibody [NBP1-81178] - Staining of human endometrium shows strong nuclear positivity in glandular cells.A



Simple Western: SLFN5 Antibody [NBP1-81178] - Simple Western lane view shows a specific band for SLFN5 in 0.2 mg/ml of RT-4 (left) and U-251MG sp (right) lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



Simple Western: SLFN5 Antibody [NBP1-81178] - Electropherogram image(s) of corresponding Simple Western lane view. SLFN5 antibody was used at 1:20 dilution on RT-4 and U-251MG sp lysates(s).



Publications

Huang J, Wu C, Kloeber JA et al. SLFN5-mediated chromatin dynamics sculpt higher-order DNA repair topology
Molecular cell 2023-02-25 [PMID: 36854302] (WB, ICC/IF, Human)

Katsoulidis E, Mavrommatis E, Woodard J et al. Role of interferon {alpha} (IFN{alpha})-inducible Schlafen-5 in
regulation of anchorage-independent growth and invasion of malignant melanoma cells. J Biol Chem 2010-12-01
[PMID: 20956525]





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Products Related to NBP1-81178

NBP1-81178PEP	SLFN5 Recombinant Protein Antigen
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

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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