

Product Datasheet

Advillin Antibody - BSA Free

NBP2-34118

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 2/23/2025 v.20.1

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NBP2-34118

Advillin 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	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description

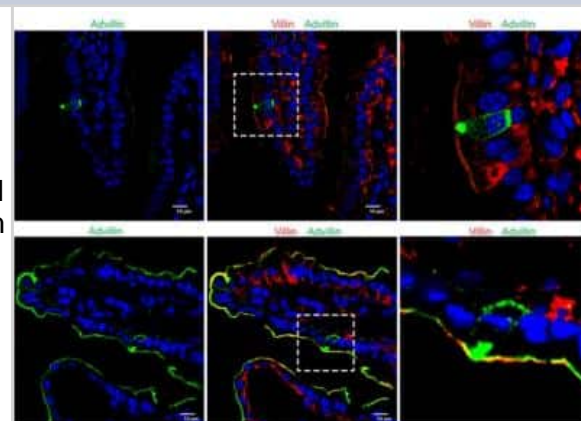
Host	Rabbit
Gene ID	10677
Gene Symbol	AVIL
Species	Human
Immunogen	This antibody was developed against a recombinant protein corresponding to amino acids: HASQDELAASAYQAVEVDRQFDGAAVQVRVRMGTEPRHFMAIFKGKLVIFEG GTSRKGNAEPDPPVRLFQIHGNDKSNTKAVEVPA

Product Application Details

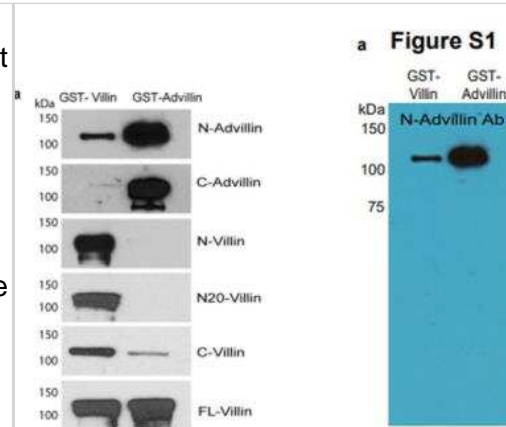
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot, Immunohistochemistry 1:200 - 1:500, Immunohistochemistry-Paraffin 1:200 - 1:500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

Images

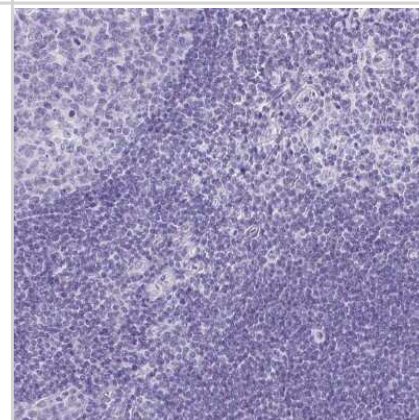
Immunohistochemistry: Advillin Antibody [NBP2-34118] - Immunohistochemistry of paraffin embedded tissue from distal ileum of C57BL/6 J mice using N-villin (red) and advillin (green) antibodies. Nuclei are counter stained with DAPI. N-villin antibody does not cross-react with advillin in cells that express advillin in apical tufts and along the basolateral surface. Right panel shows higher magnification of boxed area. (d) Immunohistochemistry of cryopreserved tissue from distal ileum of C57BL/6 J mice using N-villin (red) and advillin (green) antibodies. Nuclei are counter stained with DAPI. N-villin does not co-localize with advillin in cells that express advillin in apical tufts and along the basolateral surface. Right panel shows higher magnification of boxed area. Image collected and cropped by CiteAb from the following publication (<https://www.nature.com/articles/s41598-020-65469-0>) licensed under a CC-BY license.



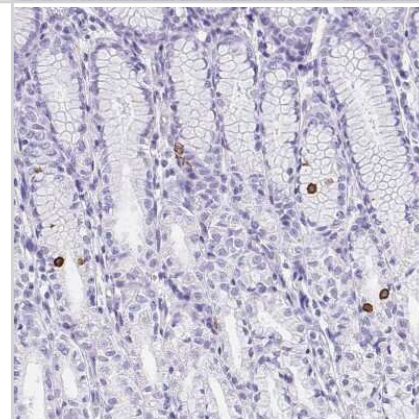
Western Blot: Advillin Antibody [NBP2-34118] - Specificity of villin and advillin antibodies was confirmed by Western analysis using recombinant full-length human villin and human advillin proteins. Two antibodies raised against the amino-terminus of villin (N-villin and N20-villin) did not cross-react with advillin compared to antibodies raised against the carboxyl-terminus of villin (C-villin) or full-length villin (FL-villin) protein. Antibodies raised against the amino-terminus of advillin (N-advillin) and those raised against the carboxyl-terminus of advillin (C-advillin) detect advillin better than they cross-react with villin. Original full length data are available in supplementary Fig S1. Image collected and cropped by CiteAb from the following publication (<https://www.nature.com/articles/s41598-020-65469-0>) licensed under a CC-BY license.



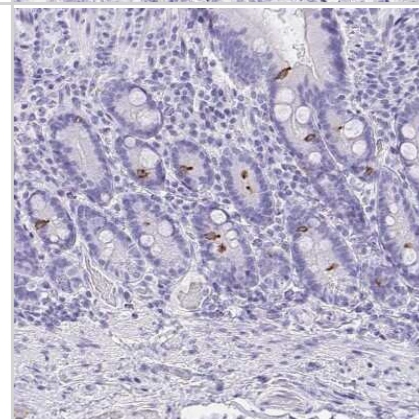
Immunohistochemistry-Paraffin: Advillin Antibody [NBP2-34118] - Staining of human lymphoid tissues shows no positivity as expected.



Immunohistochemistry-Paraffin: Advillin Antibody [NBP2-34118] - Staining of human stomach shows strong cytoplasmic positivity in neuroendocrine cells.



Immunohistochemistry-Paraffin: Advillin Antibody [NBP2-34118] - Staining of human duodenum shows strong cytoplasmic positivity in neuroendocrine cells.



Publications

Esmailniakooshkghazi A, George SP, Biswas R et al. Mouse intestinal tuft cells express advillin but not villin
Scientific Reports 2020-06-01 [PMID: 32483224] (Mouse)

George SP, Esmailniakooshkghazi A, Roy S, Khurana S F-actin bundling sites are conserved in proteins with villin
type headpiece domains Mol. Biol. Cell 2020-06-10 [PMID: 32520642]





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Products Related to NBP2-34118

NBP2-34118PEP	Advillin Recombinant Protein Antigen
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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