Product Datasheet

PADI4 Antibody
NBP1-97309SS

Unit Size: 0.025 ml

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

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Updated 2/9/2014 v.20.1

NBP1-97309SS

PADI4 Antibody

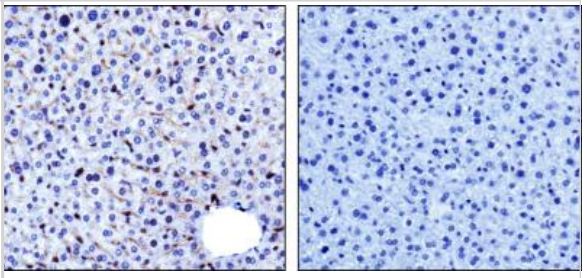
Product Information	
Unit Size	0.025 ml
Concentration	2.2 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Purity	Affinity purified
Buffer	PBS (pH 7.4)

Product Description	
Host	Rabbit
Gene ID	23569
Gene Symbol	PADI4
Species	Mouse
Species Reactivity	Mouse
Immunogen	A synthetic peptide made to an internal portion of the human PAD4 protein (between residues 200-250) [UniProt Q9UM07]

Product Application Details	
Applications	Immunohistochemistry, Immunohistochemistry-Paraffin, ICC/IF (Negative), Western Blot (Negative)
Recommended Dilutions	Immunohistochemistry-Paraffin 1:400, Western Blot (Negative), ICC/IF (Negative), Immunohistochemistry 1:200
Application Notes	This PAD4 antibody is useful for IHC-paraffin embedded sections where staining was observed in the nucleus and cytoplasm of mouse liver tissue. Prior to immunostaining paraffin tissues, antigen retrieval with sodium citrate buffer (pH 6.0) is recommended. This antibody is not recommended for Western Blot or Immunocytochemistry.

Images

Immunohistochemistry: PAD4 Antibody [NBP1-97309] - PAD4 antibody was tested in mouse liver using DAB with hematoxylin counterstain. The image on the right has been blocked with the immunizing peptide.



Procedures

Protocol specific for PAD4 antibody (NBP1-97309)
Immunohistochemistry-Paraffin Embedded Sections

Antigen Unmasking:
Bring slides to a boil in 10 mM sodium citrate buffer (pH 6.0) then maintain at a sub-boiling temperature for 10 minutes. Cool slides on bench-top for 30 minutes.

Staining:
1. Wash sections in deionized water three times for 5 minutes each.
2. Wash sections in wash buffer for 5 minutes.
3. Block each section with 100-400 ul blocking solution for 1 hour at room temperature.
4. Remove blocking solution and add 100-400 ul diluted primary antibody. Incubate overnight at 4 C.
5. Remove antibody solution and wash sections in wash buffer three times for 5 minutes each.
6. Add 100-400 ul biotinylated diluted secondary antibody. Incubate 30 minutes at room temperature.
7. Remove secondary antibody solution and wash sections three times with wash buffer for 5 minutes each.
8. Add 100-400 ul Streptavidin-HRP reagent to each section and incubate for 30 minutes at room temperature.
9. Wash sections three times in wash buffer for 5 minutes each.
10. Add 100-400 ul DAB substrate to each section and monitor staining closely.
11. As soon as the sections develop, immerse slides in deionized water.
12. Counterstain sections in hematoxylin.
13. Wash sections in deionized water two times for 5 minutes each.
14. Dehydrate sections.
15. Mount coverslips.

*The above information is only intended as a guide. The researcher should determine what protocol best meets their needs. Please follow safe laboratory procedures.

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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.

For more information on our guarantee, please visit www.novusbio.com/guarantee.