NEUROMICS

Collagen I Data Sheet

Catalog Number:	RA25100	**Host:**	Rabbit
Product Type:	Affinity Purified	**Species Reactivity:**	Human, Mouse
Immunogen Sequence:	A synthetic peptide made to an internal portion of the human Collagen I protein (between residues 150-200) [UniProt P02452]	**Format:**	Liquid. PBS, 30% glycerol with 0.05% Sodium Azide. Concentration 1.1mg/ml.

Applications: Immunohistochemistry-Paraffin 1:200

*Dilutions listed as a recommendation. Optimal dilution should be determined by investigator.

Storage: Store frozen. Aliquot as undiluted antisera and immediately place at -20°C. Antisera may have become trapped in top of vial during shipping. Centrifugation of vial is recommended before opening. Stable for at least 6 months at -20°C. Repeated freeze/thaw cycles compromise the integrity of the antiserum.

Application Notes

This Collagen 1 antibody is useful for IHC-paraffin embedded sections.

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 4C.
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.

Note: 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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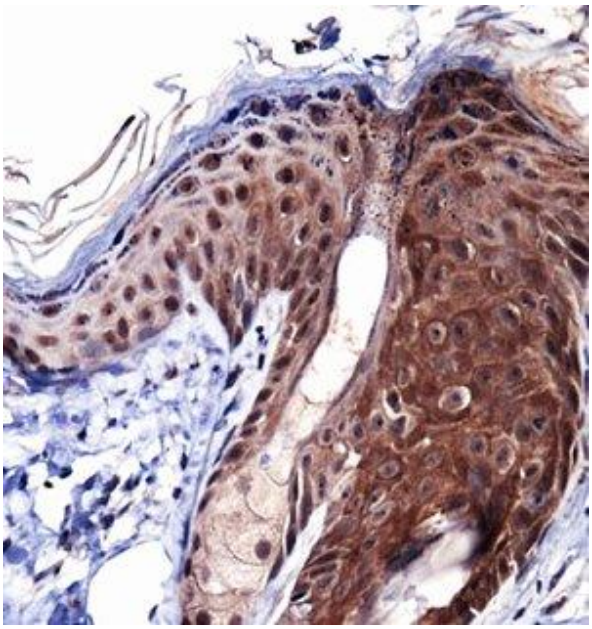
phone 866-350-1500 • fax 612-677-3976 • e-mail: pshuster@neuromics.com

Image: Collagen 1 staining of mouse epidermis tissue using DAB with hematoxylin counterstain.



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