

Novocastra™ Liquid Mouse Monoclonal Antibody Cytokeratin 20

Product Code: NCL-L-CK20

Intended Use	FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.
Specificity	Human cytokeratin 20 intermediate filament protein.
Clone	Ks20.8
Ig Class	IgG2a, kappa
Antigen Used for Immunizations	Cytoskeletal preparation isolated from microdissected villi of human duodenal mucosa.
Hybridoma Partner	Mouse myeloma (p3-NS1-Ag4-1).
Preparation	Liquid tissue culture supernatant containing sodium azide. Volume as indicated on vial label.
Effective on Frozen Tissue	Not evaluated.
Effective on Paraffin Wax Embedded Tissue	Yes
Recommendations on Use	Immunohistochemistry on paraffin sections. Heat Induced Epitope Retrieval (HIER): Please follow the instructions for use in Novocastra Epitope Retrieval Solution pH 6. Suggested dilution: 1:50 for 30 minutes at 25 °C. This is provided as a guide and users should determine their own optimal working dilutions. Visualization: Please follow the instructions for use in the Novolink™ Polymer Detection Systems. For further product information or support, contact your local distributor or regional office of Leica Biosystems, or alternatively, visit the Leica Biosystems web site, www.LeicaBiosystems.com <u>The performance of this antibody should be validated when utilized with other manual staining systems or automated platforms.</u> Western Blotting: 1:50 – 1:100.
Positive Controls	Immunohistochemistry: Small intestine. Western Blotting: CaCo-2 cell line.
Staining Pattern	Cytoplasmic
Storage and Stability	Store at 2–8 °C. Do not freeze. Return to 2–8 °C immediately after use. Do not use after expiration date indicated on the vial label. Storage conditions other than those specified above must be verified by the user.
Warnings and Precautions	This reagent has been prepared from the supernatant of cell culture. As it is a biological product, reasonable care should be taken when handling it. This reagent contains sodium azide. A Material Safety Data Sheet is available upon request or available from www.LeicaBiosystems.com





BIOSYSTEMS

General Overview

NCL-L-CK20 reacts with the intermediate filament protein (46 kD) identified as cytokeratin 20. Cytokeratin 20 is less acidic than other type 1 cytokeratins and is of interest due to its more restricted expression in tissue. In normal tissue, NCL-L-CK20 is reported to immunohistochemically stain intestinal epithelial, gastric folveolar epithelium, a number of endocrine cells in the upper portions of the pyloric glands, urothelium and Merkel cells in epidermis.

General References

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