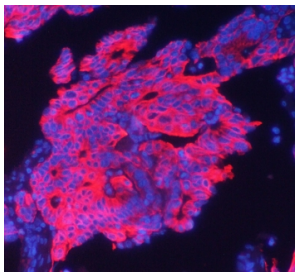
Cytokeratin 19 Antibody 3D4 / Mouse Monoclonal [clone 3D4] (RQ4521)

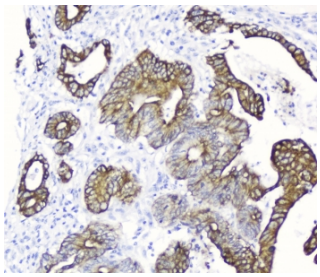
Catalog No.	Formulation	Size
RQ4521	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

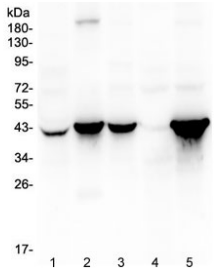
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Name	3D4
Purity	Protein G affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P08727
Localization	Cytoplasmic
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This Cytokeratin 19 Antibody 3D4 is available for research use only.



Immunofluorescent staining of human intestinal cancer with Cytokeratin 19 Antibody 3D4 at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



IHC testing of FFPE human intestinal cancer with Cytokeratin 19 antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



Western blot testing of human 1) HeLa, 2) placenta, 3) SK-OV-3, 4) COLO-320 and 5) SW620 lysate with Cytokeratin 19 Antibody 3D4 at 0.5ug/ml. Predicted molecular weight ~43 kDa.

Description

Keratin, type I cytoskeletal 19 is a protein that in humans is encoded by the KRT19 gene. The protein encoded by this gene is a member of the keratin family. It is specifically expressed in the periderm, the transiently superficial layer that envelops the developing epidermis. The type I cytokeratins are clustered in a region of chromosome 17q12-q21. Due to its high sensitivity, KRT19 is the most used marker for the RT-PCR-mediated detection of tumor cells disseminated in lymph nodes, peripheral blood, and bone marrow of breast cancer patients. Keratin 19 is often used together with keratin 8 and keratin 18 to differentiate cells of epithelial origin from hematopoietic cells in tests that enumerate circulating tumor cells in blood.

For additional KRT19 detection options, see our anchor Cytokeratin 19 Antibody KRT19/799.

Application Notes

Optimal dilution of the Cytokeratin 19 Antibody 3D4 should be determined by the researcher.

Immunogen

Amino acids QLAHIQALISGIEAQLGDVRADSERQNQEYQRLMDIKSR were used as the immunogen for the Cytokeratin 19 antibody.

Storage

After reconstitution, the Cytokeratin 19 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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