Order: 0571-88177686
Fax: 0571-88177681
Support: support@biolynx.cn

Rev.: 2018/12/5

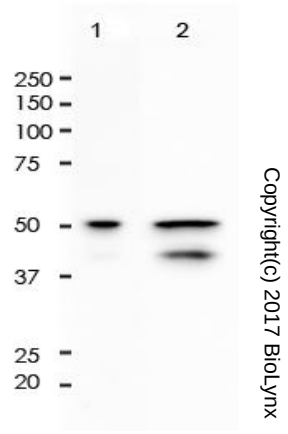
Cytokeratin 8
Recombinant Rabbit Monoclonal Antibody
Product Datasheet

Catalog# BX00017
Clone# RR622

Predicted Molecular Wt: 53kDa
Species Cross-reactivity: Human
Species cross-reactivity determined by WB
Applications: WB IHC-P IF/ICC FC IP

Purity: ProA affinity purified IgG
Form: Liquid
Swissprot ID: P05787

Background:
Together with KRT19, helps to link the contractile apparatus to dystrophin at the costameres of striated muscle.



All lanes: Anti-Cytokeratin 8 antibody at 1:5,000 dilution

Predicted MW: 53 kDa
Observed MW: 53 kDa

Lane 1: A431
Lane 2: HepG2

Lysate at 10 µg per lane
2nd Ab:
G&R HRP(H+L) 1:10,000

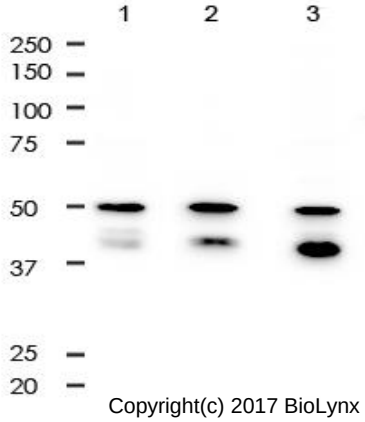
Exposure: 100s

Immunogen:
A synthetic peptide corresponding to residues on the C-terminus of human Cytokeratin 8 was used as an immunogen.

Storage Buffer:
PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

Storage conditions:
-20°C.

Storage instructions:
Shipped on blue ice. Upon delivery, aliquot, and store at -20°C. Avoid freeze / thaw cycles.



All lanes: Anti-Cytokeratin 8 antibody at 1:2,000 dilution

Predicted MW: 53 kDa
Observed MW: 53 kDa

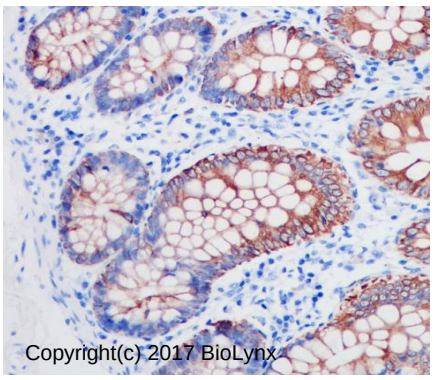
Lane 1: Hela
Lane 2: SW480
Lane 3: A549

Lysate at 10 µg per lane
2nd Ab:
G&R HRP(H+L) 1:10,000

Exposure: 100s

Recommended Dilutions:

WB:	1:2,500 - 1:5,000
IHC-P:	1:100 - 1:200
IF/ICC:	1:5,000 - 1:10,000
FC:	1:200 - 1:800
IP:	1:30



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human colon tissue labelling Cytokeratin 8 with RR622 at 1:200. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0.

Background References:

1. Nuha M. Hassan et al, Annals of Biological Research, 2014, 5 (1):9-16.

2. British Journal of Cancer (1999) 81(5), 769–773.

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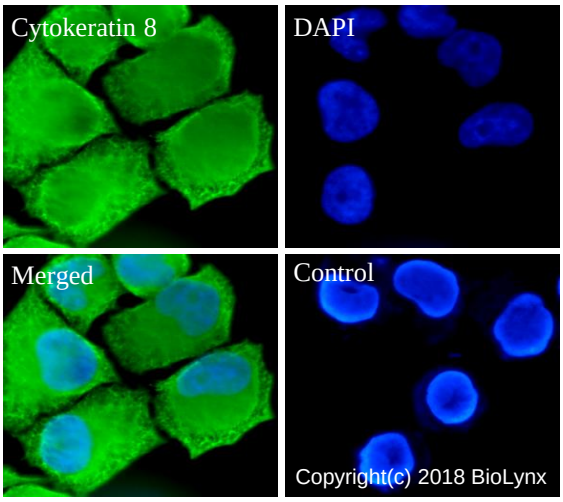
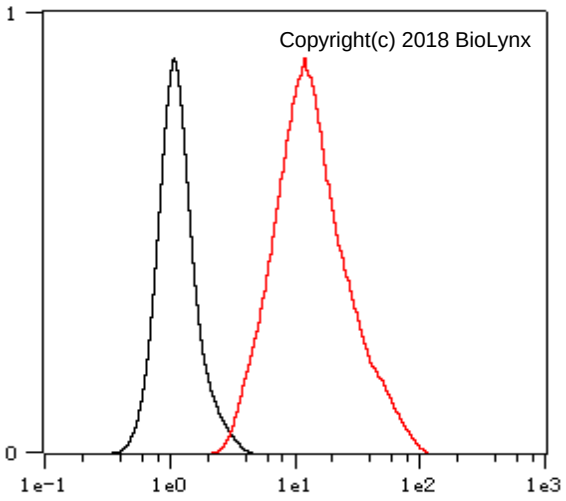
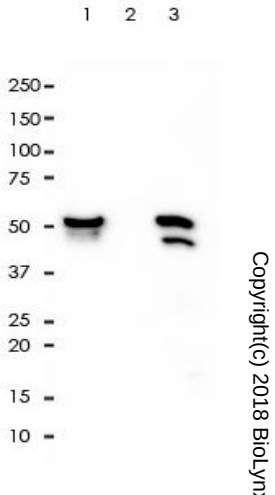


RR622 staining Cytokeratin 8 in Hela cells by IF/ICC (immunofluorescence/immunocytochemistry). Cells were fixed with paraformaldehyde, permeabilized with 0.1% Triton X-100 and blocked with 10% goat serum for half an hour at room temperature. Samples were incubated with primary antibody (1:10,000) at 4°C. An Alexa Fluor® 488-conjugated Goat Anti-Rabbit IgG polyclonal was used as the secondary antibody (1:500). DAPI (blue) was used as the nuclear counter stain.

Control: PBS and secondary antibody, An Alexa Fluor® 488-conjugated Goat Anti-Rabbit IgG (1:500).



Overlay histogram showing Hela cells stained with RR622 (Red). The cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 0.1% TritonX-100 for 15 min. The cells were then incubated in the antibody (RR622, 1:800 dilution) in 1x PBS/1% BSA for 30 min at room temperature. The secondary antibody used was a Goat Anti-Rabbit Alexa Fluor® 488 (IgG H+L) at 1:2,000 dilution for 20 min at room temperature. Unlabelled sample (Black) was used as a control.



Cytokeratin 8 was immunoprecipitated from 0.4mg of A431 whole cell lysate with RR622 at 1:30 dilution.
2nd Ab:
GAR HRP for IP 1:500

Lane 1: RR622 IP in A431 whole cell lysate
Lane 2: PBS instead of RR622 in A431 whole cell lysate
Lane 3: A431 whole cell lysate, 10 µg (input)

Exposure: 20s

Product QC'd by:

For research use only. Not for use in diagnostic or therapeutic applications.

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