Cytokeratin 19
Recombinant Rabbit Monoclonal Antibody
Product Datasheet

Catalog# BX00078

Clone# RR682

Predicted Molecular Wt:	44kDa			**Purity:**	ProA affinity purified IgG
Species Cross-reactivity:	Human			**Form:**	Liquid
Species cross-reactivity determined by WB				**Swissprot ID:**	P08727
Applications:	WB	IHC-P	IF/ICC	FC	IP

Background:

Involved in the organization of myofibers. Together with KRT8, helps to link the contractile apparatus to dystrophin at the costameres of striated muscle.

All lanes: Anti-Cytokeratin 19 antibody at 1:1,000 dilution

Predicted MW: 44 kDa
Observed MW: 40 kDa

Lane 1: MCF-7
Lane 2: Caco-2
Lane 3: HaCat
Lane 4: PC-3

Lysate at 10 µg per lane
2nd Ab:
GAR HRP(H+L) 1:5,000

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Immunogen:

Synthetic peptide corresponding to the N-term of Cytokeratin 19 was used as an immunogen.

Storage Buffer:

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

Storage conditions:

-20°C.
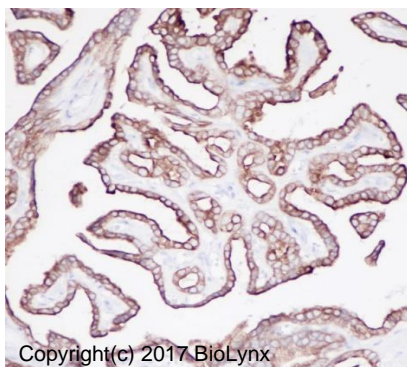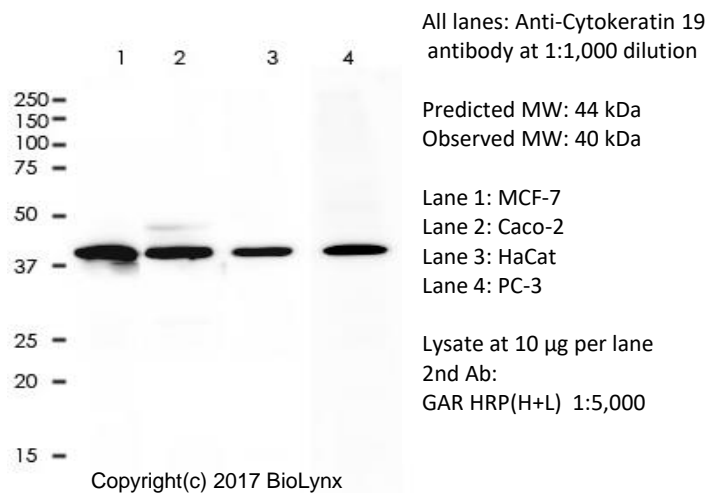
Storage instructions:

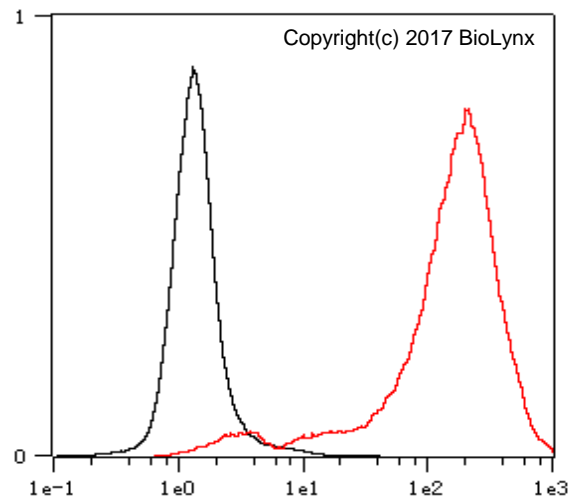Shipped on blue ice. Upon delivery, aliquot, and store at -20°C. Avoid freeze / thaw cycles.

Recommended Dilutions:

WB:	1:1,000 - 1:2,000
IHC-P:	1:20,000 - 1:40,000
IF/ICC:	1:20,000 - 1:40,000
FC:	1:200 - 1:1,000
IP:	1:200

Background References:

1. Feng F et al. Oncotarget 8:5349-5360 (2017).

2. Wu Q et al. Int J Mol Med 39:918-926 (2017).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of thyroid cancer tissue labelling Cytokeratin 19 with RR682 at 1:40,000. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0.

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CK-19   DAPI

Merged   Control

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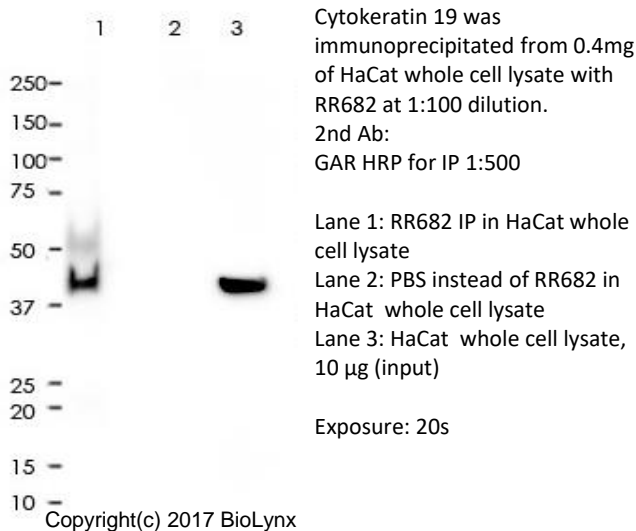

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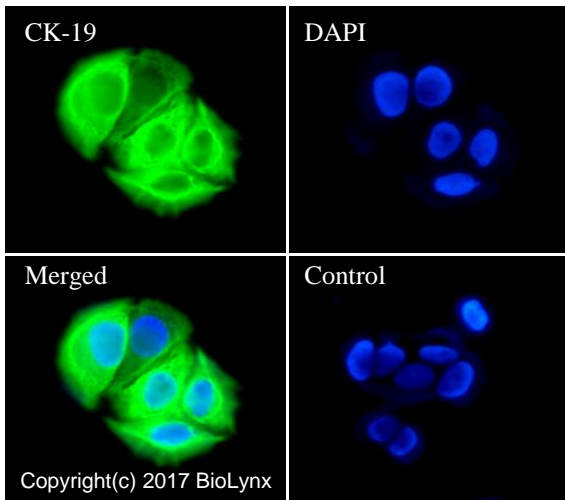
RR682 staining Cytokeratin 19 in MCF-7 cells by IF/ICC (immunofluorescence/immunocytochemistry). Cells were fixed with paraformaldehyde, permeabilized with 0.1% Triton X-100 and blocked with 10% goat serum for half an hour at room temperature. Samples were incubated with primary antibody (1:40,000) at 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 MCF-7 cells stained with RR682 (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 (RR682, 1:200 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.

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Cytokeratin 19 was immunoprecipitated from 0.4mg of HaCat whole cell lysate with RR682 at 1:100 dilution.
2nd Ab:
GAR HRP for IP 1:500

Lane 1: RR682 IP in HaCat whole cell lysate
Lane 2: PBS instead of RR682 in HaCat whole cell lysate
Lane 3: HaCat whole cell lysate, 10 µg (input)

Exposure: 20s

Product QC'd by: