*Order: 0571-88177686*
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Rev.: 2018/12/5

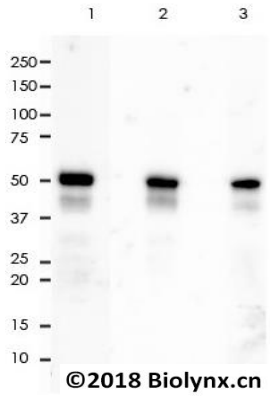
# Cytokeratin 7
# Recombinant Rabbit Monoclonal Antibody
# Product Datasheet

**Catalog#** BX00095
**Clone#** RR699

**Predicted Molecular Wt:** 51kDa
**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:** P08729

**Background:**
Blocks interferon-dependent interphase and stimulates DNA synthesis in cells. Involved in the translational regulation of the human papillomavirus type 16 E7 mRNA.




All lanes: Anti-Cytokeratin 7 antibody at 1:10,000 dilution

Predicted MW: 51 kDa
Observed MW: 51 kDa

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

Lane 1: Hela
Lane 2: A549
Lane 3: HaCat

Exposure: 60s

**Immunogen:**
A synthetic peptide corresponding to residues aa1-100 of Cytokeratin 7 was used as an immunogen.

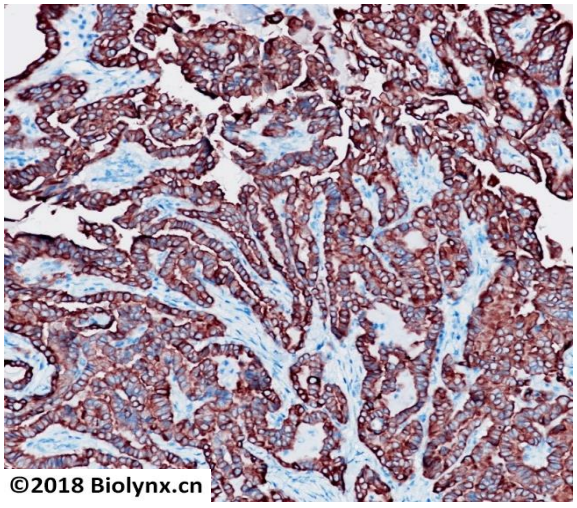
**Storage Buffer:**
PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

**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: | 1:2,000 - 1:5,000 |
| IHC-P: | 1:1,600 - 1:3,200 |
| IF/ICC: | 1:800 - 1:2,000 |
| FC: | 1:200 - 1:800 |
| IP: | 1:50 |




Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human thyroid cancer tissue labelling Cytokeratin 7 with RR699 at 1:3,200. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0.

**Background References:**

1. Ambade A et al. Sci Rep 6:21340 (2016).
2. Liu KM et al. Am J Physiol Renal Physiol 309:F318-31 (2015).

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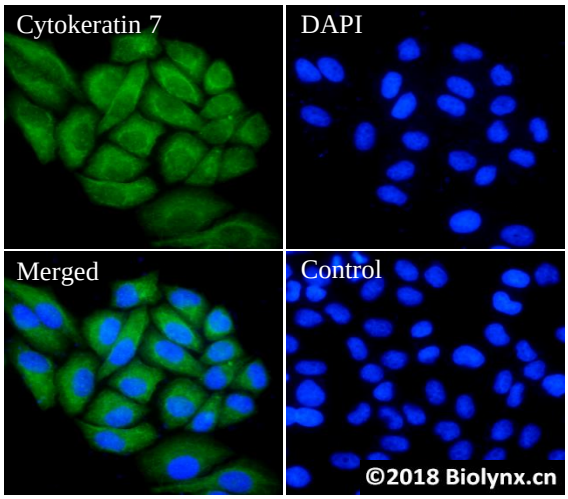
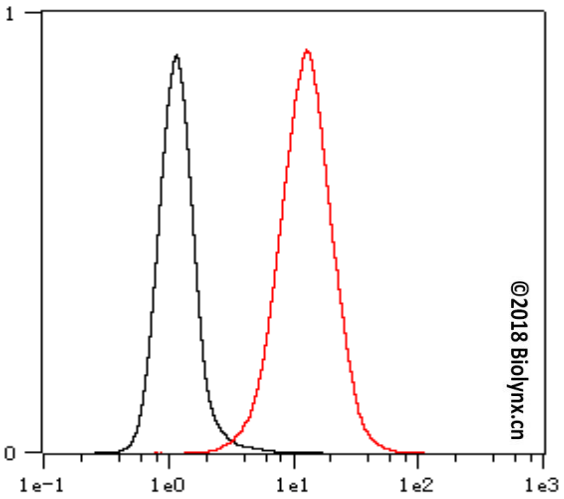
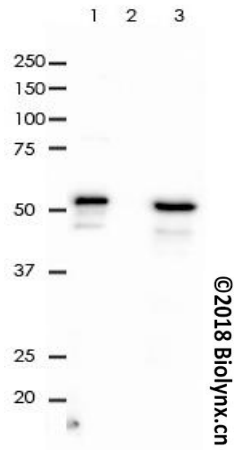



RR699 staining Cytokeratin 7 in Hela cells by IF/ICC (immunofluorescence/immunocytochemistry). Cells were fixed with paraformaldehyde, permeabilized with 0.1% Triton X-100 and blocked with 10% goat serum for half an hour at room temperature. Samples were incubated with primary antibody (1:2,000) at 4°C. 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 RR699 (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 (RR699, 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 7 was immunoprecipitated from 0.4mg of Hela whole cell lysate with RR699 at 1:50 dilution.
2nd Ab:
GAR HRP for IP 1:500

Lane 1: RR699 IP in Hela whole cell lysate
Lane 2: PBS instead of RR699 in Hela whole cell lysate
Lane 3: Hela whole cell lysate, 10 µg (input)

Exposure: 50s

**Product QC'd by:**

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