

DATASHEET

Cytokeratin 19 Rabbit Monoclonal Antibody(ARA789)

CAT. NO. ARA6576

KEY FEATURES

Target	Cytokeratin 19	Source / Host	Rabbit
Reactivity	Human	Clonality	Monoclonal
Applications	WB,IHC,IF/ICC,FC,IP	Conjugation	Unconjugated
Storage	at-20°C		

BACKGROUND

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

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:1000-1:2000
IHC	1:20000-1:40000
IF/ICC	1:20000-1:40000
FC	1:200-1:1000
IP	1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Rabbit Monoclonal Antibody to Cytokeratin 19
Antibody Type	Primary antibody
Predicted MW	44kDa
Immunogen	Synthetic peptide corresponding to the N-term of Cytokeratin 19 was used as an immunogen.
Purification	ProA affinity purified IgG
Form / Buffer	PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.64%.
Alternative Names	Keratin type I cytoskeletal 19; Cytokeratin-19; CK-19; Keratin-19; K19
Gene Symbol	KRT19
Entrez Gene	3880(Human)
Swissprot ID	P08727

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

DATASHEET

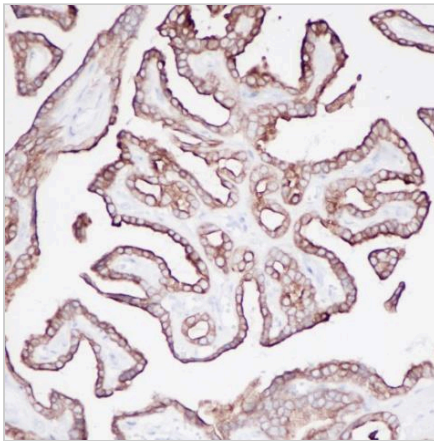
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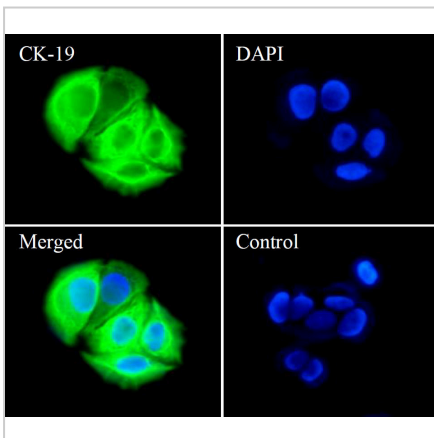
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All lanes: Anti-Cytokeratin 19 antibody at 1:1,000 dilution Predicted MW: 44 kDa
Observed MW: 40 kDa Lane 1: MCF-7 Lane 2: Caco-2 Lane 3: HaCat Lane 4: PC-3 Lysate
at 10 µg per lane 2nd Ab: GAR HRP(H+L) 1:5,000



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of thyroid cancer tissue labelling Cytokeratin 19 with ARA789 at 1:40,000. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0.



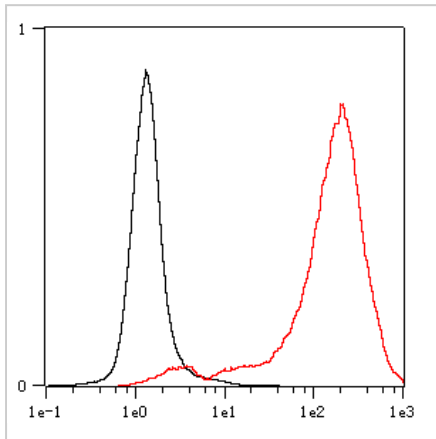
ARA789 staining Cytokeratin 19 in MCF-7 cells by IF/ICC (immunofluorescence/immunocytochemistry). Cells were fixed with paraformaldehyde, permeabilized with 0.1% Triton X-100 and blocked with 10% goat serum for half an hour at room temperature. Samples were incubated with primary antibody (1:40,000) 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).

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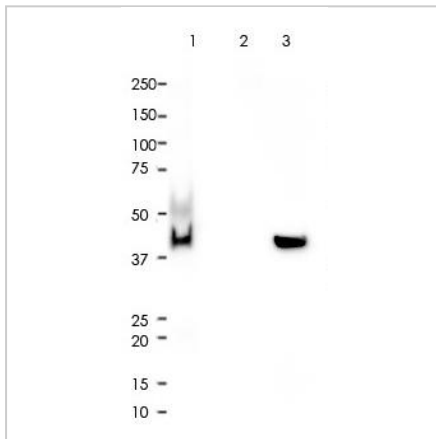
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Overlay histogram showing MCF-7 cells stained with ARA789 (Red). The cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 0.1% TritonX-100 for 15 min. The cells were then incubated in the antibody (ARA789, 1:200 dilution) 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.



Cytokeratin 19 was immunoprecipitated from 0.4mg of HaCat whole cell lysate with ARA789 at 1:100 dilution. 2nd Ab: GAR HRP for IP 1:500 Lane 1: ARA789 IP in HaCat whole cell lysate Lane 2: PBS instead of ARA789 in HaCat whole cell lysate Lane 3: HaCat whole cell lysate, 10 µg (input) Exposure: 20s

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.

More information: www.arexbio.com