

ARG66324 anti-Cytokeratin 19 antibody [SQab1872]

Package: 100 µl, 50 µl
Store at: -20°C

Summary

Product Description	Recombinant Rabbit Monoclonal antibody [SQab1872] recognizes Cytokeratin 19
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, IHC-P, IP, WB
Host	Rabbit
Clonality	Monoclonal
Clone	SQab1872
Isotype	IgG
Target Name	Cytokeratin 19
Species	Human
Immunogen	Synthetic peptide around the N-terminus of Cytokeratin 19.
Conjugation	Un-conjugated
Alternate Names	Cytokeratin-19; K19; CK-19; K1CS; Keratin-19; CK19; Keratin, type I cytoskeletal 19

Application Instructions

Application table	Application	Dilution
	FACS	1:200 - 1:1000
	ICC/IF	1:20000 - 1:40000
	IHC-P	1:20000 - 1:40000
	IP	1:200
	WB	1:1000 - 1:2000

Application Note IHC-P: Antigen Retrieval: Heat mediated was performed using Tris/EDTA buffer pH 9.0.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS, 0.01% Sodium azide, 40% Glycerol and 0.05% BSA.
Preservative	0.01% Sodium azide
Stabilizer	40% Glycerol and 0.05% BSA
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw

cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

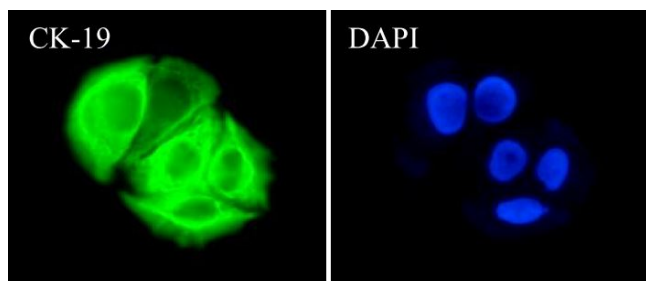
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

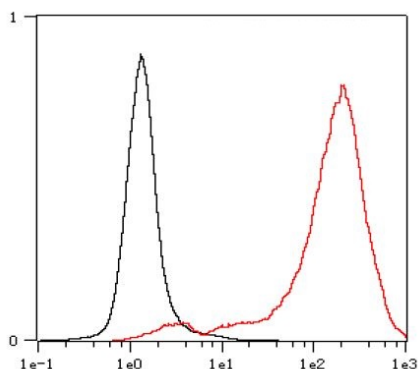
Gene Symbol	KRT19
Gene Full Name	keratin 19, type I
Background	Cytokeratin 19 is a member of the keratin family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. The type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. Unlike its related family members, this smallest known acidic cytokeratin is not paired with a basic cytokeratin in epithelial cells. 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. [provided by RefSeq, Jul 2008]
Function	Cytokeratin 19 involved in the organization of myofibers. Together with KRT8, helps to link the contractile apparatus to dystrophin at the costameres of striated muscle. [UniProt]
Highlight	Related products: Cytokeratin 19 antibodies ; Anti-Rabbit IgG secondary antibodies ; Related news: Cancer Pathology Markers (SQ clones) More than a biomarker, CA19-9 is a therapeutic target of pancreatic cancer Therapeutic strategies against PDAC
Calculated Mw	44 kDa

Images



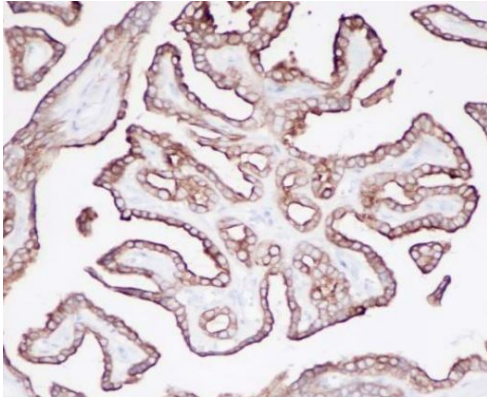
ARG66324 anti-Cytokeratin 19 antibody [SQab1872] ICC/IF image

Immunofluorescence: MCF-7 cells were fixed with 4% paraformaldehyde for 30 min at RT, permeabilized with 0.1% Triton X-100 for 10 min at RT then blocked with 10% goat serum for 30 min at RT. Cells were stained with ARG66324 anti-Cytokeratin 19 antibody [SQab1872] (green) at 1:40,000 and 4°C. DAPI (blue) was used as the nuclear counter stain.



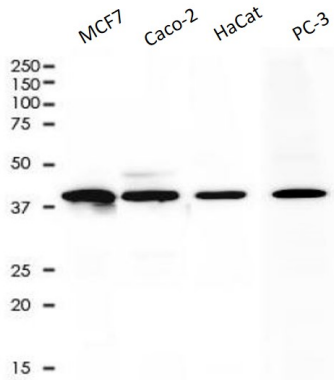
ARG66324 anti-Cytokeratin 19 antibody [SQab1872] FACS image

Flow Cytometry: MCF-7 cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 0.1% TritonX-100 for 15 min. The cells were stained with ARG66324 anti-Cytokeratin 19 antibody [SQab1872] (red) at 1:200 dilution in 1x PBS/1% BSA for 30 min at RT, followed by Alexa Fluor® 488 labelled secondary antibody. Unlabelled sample (black) was used as a control. .



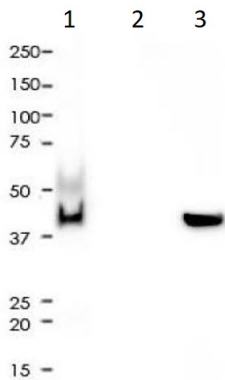
ARG66324 anti-Cytokeratin 19 antibody [SQab1872] IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded thyroid cancer tissue stained with ARG66324 anti-Cytokeratin 19 antibody [SQab1872] at 1:40,000 dilution. Antigen Retrieval: Heat mediated was performed using Tris/EDTA buffer pH 9.0.



ARG66324 anti-Cytokeratin 19 antibody [SQab1872] WB image

Western blot: 10 µg of MCF7, Caco-2, HaCat and PC-3 cell lysates stained with ARG66324 anti-Cytokeratin 19 antibody [SQab1872] at 1:1000 dilution.



ARG66324 anti-Cytokeratin 19 antibody [SQab1872] IP image

Immunoprecipitation: 0.4 mg of HaCat whole cell lysate immunoprecipitated (1:100) and stained with ARG66324 anti-Cytokeratin 19 antibody [SQab1872]. 1) ARG66324 IP in HaCat whole cell lysate, 2) PBS instead of ARG66324 in HaCat whole cell lysate, and 3) HaCat whole cell lysate, 10 µg (input).