

ARG40282 anti-Cytokeratin 19 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Cytokeratin 19
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Cytokeratin 19
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 334-372 of Human Cytokeratin 19. (QLAHIQALISGIEAQLGDVSRADSERQEQYQLMDIKSR)
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	1:150 - 1:500
	ICC/IF	1:200 - 1:1000
	IHC-P	0.5 - 1 µg/ml
	WB	0.1 - 0.5 µg/ml

Application Note
IHC-P: Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min, or performed in EDTA buffer (pH 8.0).
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Observed Size
~ 44 kDa

Properties

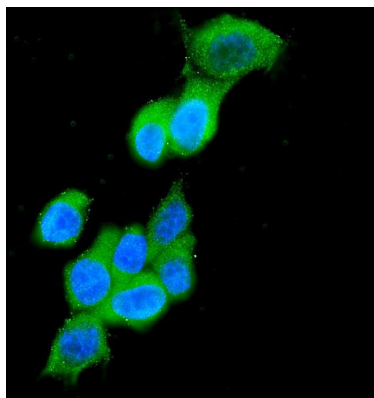
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl, 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml

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 or below. 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

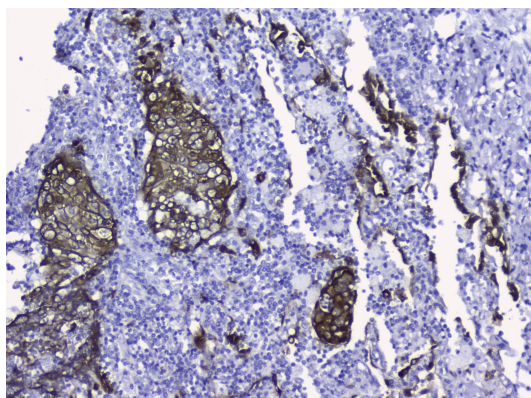
Gene Symbol	KRT19
Gene Full Name	keratin 19, type I
Background	Cytokeratin 19 is a member of the keratin family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. The type I cytokeratins 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: Therapeutic strategies against PDAC
Calculated Mw	44 kDa

Images



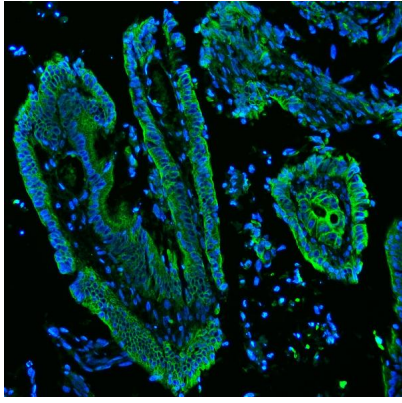
ARG40282 anti-Cytokeratin 19 antibody ICC/IF image

Immunofluorescence: MCF-7 cells were blocked with 10% goat serum and then stained with ARG40282 anti-Cytokeratin 19 antibody (green) at 2 µg/ml dilution, overnight at 4°C. DAPI (blue) for nuclear staining.



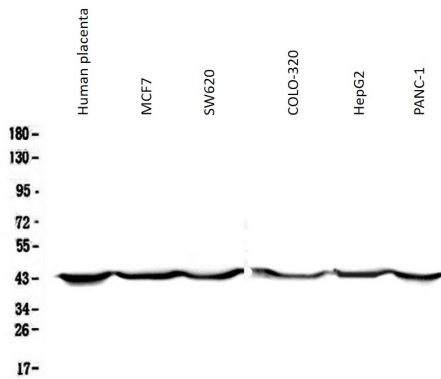
ARG40282 anti-Cytokeratin 19 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human lung cancer tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG40282 anti-Cytokeratin 19 antibody at 2 µg/ml, overnight at 4°C.



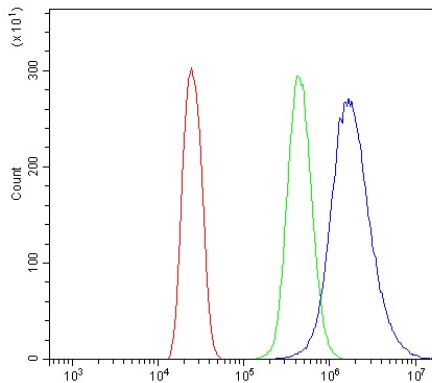
ARG40282 anti-Cytokeratin 19 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human colon cancer tissue. Antigen Retrieval: Heat mediation was performed in EDTA buffer (pH 8.0). The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG40282 anti-Cytokeratin 19 antibody (green) at 5 $\mu\text{g/ml}$ dilution, overnight at 4°C. The section was counterstained with DAPI (blue).



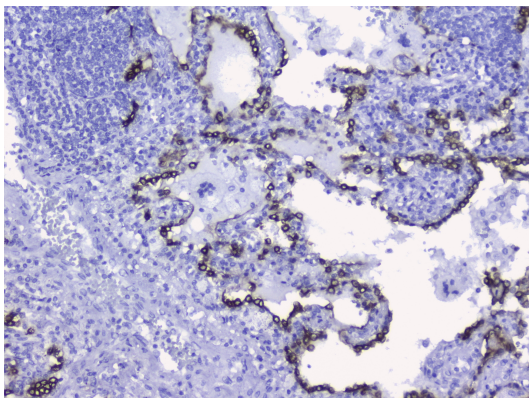
ARG40282 anti-Cytokeratin 19 antibody WB image

Western blot: 50 μg of samples under reducing conditions. Human placenta, MCF7, SW620, COLO-320, HepG2 and PANC-1 whole cell lysates stained with ARG40282 anti-Cytokeratin 19 antibody at 0.5 $\mu\text{g/ml}$, overnight at 4°C.



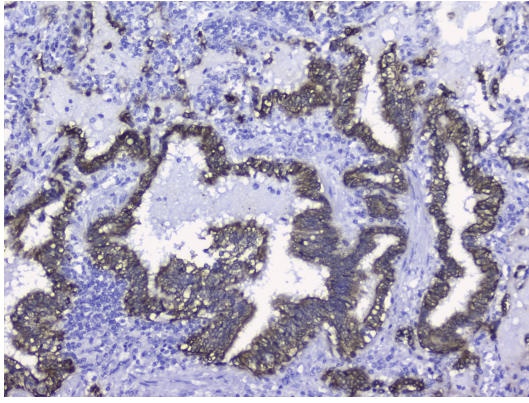
ARG40282 anti-Cytokeratin 19 antibody FACS image

Flow Cytometry: MCF-7 cells were blocked with 10% normal goat serum and then stained with ARG40282 anti-Cytokeratin 19 antibody (blue) at 1 $\mu\text{g}/10^6$ cells for 30 min at 20°C, followed by incubation with DyLight[®]488 labelled secondary antibody. Isotype control antibody (green) was rabbit IgG (1 $\mu\text{g}/10^6$ cells) used under the same conditions. Unlabelled sample (red) was also used as a control.



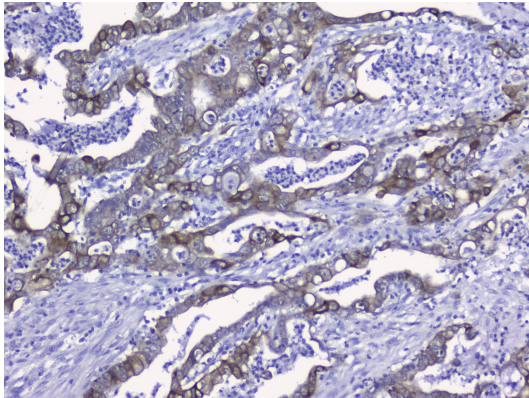
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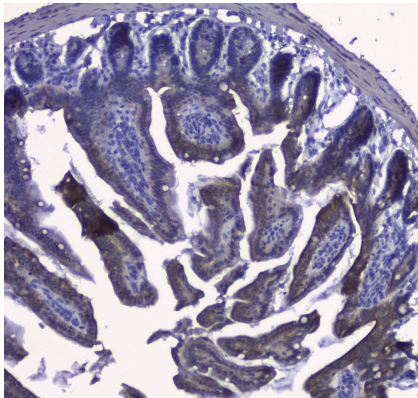
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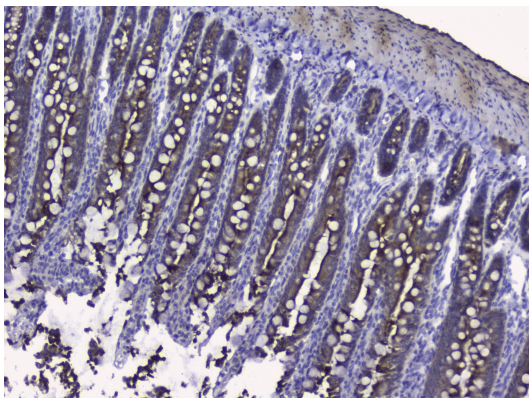
ARG40282 anti-Cytokeratin 19 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human intestinal cancer tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG40282 anti-Cytokeratin 19 antibody at 2 $\mu\text{g}/\text{ml}$, overnight at 4°C.



ARG40282 anti-Cytokeratin 19 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse small intestine tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG40282 anti-Cytokeratin 19 antibody at 2 $\mu\text{g}/\text{ml}$, overnight at 4°C.



ARG40282 anti-Cytokeratin 19 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat small intestine tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG40282 anti-Cytokeratin 19 antibody at 2 $\mu\text{g}/\text{ml}$, overnight at 4°C.

ARG40282 anti-Cytokeratin 19 antibody WB image

Western blot: 50 μ g of samples under reducing conditions. Rat lung, Rat small intestine, Mouse lung and Mouse HEPA1-6 whole cell lysates stained with ARG40282 anti-Cytokeratin 19 antibody at 0.5 μ g/ml, overnight at 4°C.

