

## ARG56043 anti-Cytokeratin 7 antibody [K72.7]

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [K72.7] recognizes Cytokeratin 7
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Mouse
Clonality	Monoclonal
Clone	K72.7
Isotype	IgG1, kappa
Target Name	Cytokeratin 7
Species	Human
Immunogen	A semi-purified cytokeratin preparation.
Conjugation	Un-conjugated
Alternate Names	SCL; Sarcolectin; CK-7; Cytokeratin-7; CK7; Keratin, type II cytoskeletal 7; Keratin-7; K7; K2C7; Type-II keratin Kb7

### Application Instructions

Application table	Application	Dilution
	FACS	0.5 - 1 µg/10 <sup>6</sup> cells
	ICC/IF	2 - 5 µg/ml
	IHC-P	2 - 5 µg/ml
	WB	0.5 - 2 µg/ml
Application Note	IHC-P: Antigen Retrieval: Boil tissue section in 10 mM Citrate buffer (pH 6.0) for 10-20 min, followed by cooling at RT for 20 min. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HeLa	
Observed Size	~ 55 kDa	

### Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.4), 0.05% Sodium azide and 0.1 mg/ml BSA
Preservative	0.05% Sodium azide

Stabilizer	0.1 mg/ml BSA
Concentration	0.2 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.

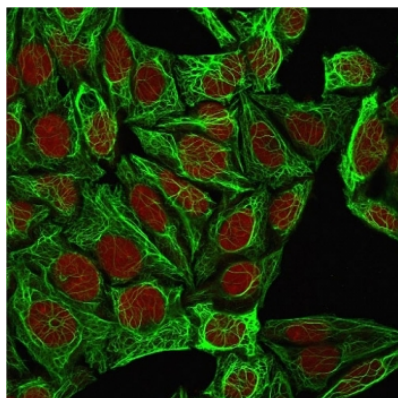
## Bioinformation

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Database links	<a href="#">GeneID: 3855 Human</a> <a href="#">Swiss-port # P08729 Human</a>
Gene Symbol	KRT7
Gene Full Name	keratin 7, type II
Background	Cytokeratin 7 is a member of the keratin gene family. The type II cytokeratins consist of basic or neutral proteins which are arranged in pairs of heterotypic keratin chains coexpressed during differentiation of simple and stratified epithelial tissues. This type II cytokeratin is specifically expressed in the simple epithelia lining the cavities of the internal organs and in the gland ducts and blood vessels. The genes encoding the type II cytokeratins are clustered in a region of chromosome 12q12-q13. Alternative splicing may result in several transcript variants; however, not all variants have been fully described. [provided by RefSeq, Jul 2008]
Function	Cytokeratin 7 blocks interferon-dependent interphase and stimulates DNA synthesis in cells. Involved in the translational regulation of the human papillomavirus type 16 E7 mRNA (HPV16 E7). [UniProt]
Research Area	CK7/CK20 Carcinoma Study antibody
Calculated Mw	51 kDa
PTM	Arg-20 is dimethylated, probably to asymmetric dimethylarginine.
Cellular Localization	Cytoplasmic

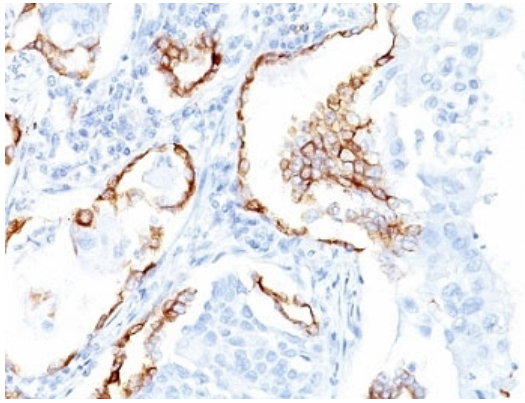
## Images

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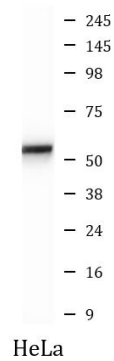
ARG56043 anti-Cytokeratin 7 antibody [K72.7] ICC/IF image

Immunofluorescence: Methanol-fixed HeLa cells stained with ARG56043 anti-Cytokeratin 7 antibody [K72.7] (green). Reddot (red) for nuclear staining.



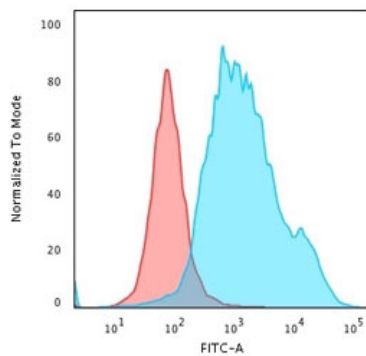
ARG56043 anti-Cytokeratin 7 antibody [K72.7] IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human lung SCC stained with ARG56043 anti-Cytokeratin 7 antibody [K72.7].



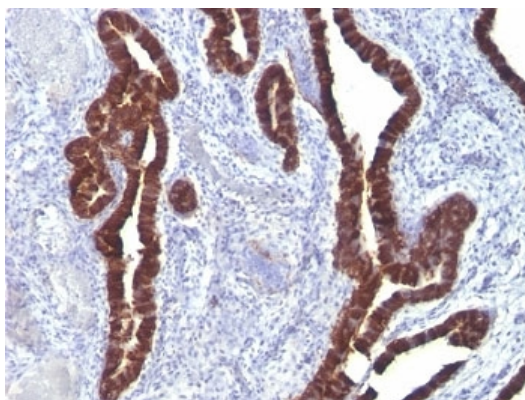
ARG56043 anti-Cytokeratin 7 antibody [K72.7] WB image

Western blot: HeLa cell lysate stained with ARG56043 anti-Cytokeratin 7 antibody [K72.7].



ARG56043 anti-Cytokeratin 7 antibody [K72.7] FACS image

Flow Cytometry: PFA-fixed HeLa cells stained with ARG56043 anti-Cytokeratin 7 antibody [K72.7] (blue); Isotype control (red).



ARG56043 anti-Cytokeratin 7 antibody [K72.7] IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded ovarian carcinoma stained with ARG56043 anti-Cytokeratin 7 antibody [K72.7].