

ARG54018 anti-Cytokeratin 7 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes Cytokeratin 7
Tested Reactivity	Hu
Tested Application	ICC/IF, WB
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Target Name	Cytokeratin 7
Species	Human
Immunogen	Purified recombinant Human Cytokeratin 7 protein fragment (C-terminal) expressed in E. coli.
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
	ICC/IF	1:150
	WB	1:500 - 1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	55 kDa	

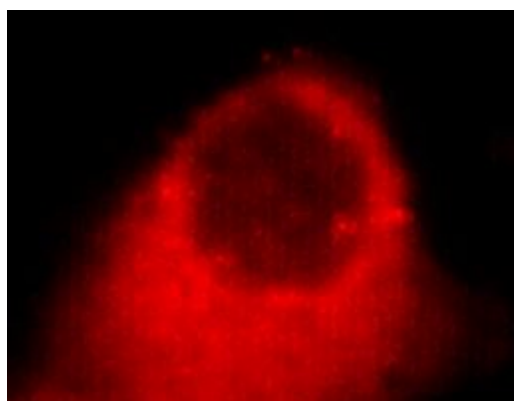
Properties

Form	Liquid
Purification	Affinity purified
Buffer	0.1M Tris-Glycine (pH 7.4), 150 mM NaCl, 0.2% Sodium azide and 50% Glycerol
Preservative	0.2% Sodium azide
Stabilizer	50% Glycerol
Concentration	1 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. 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

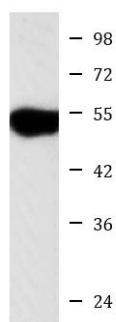
Database links	GeneID: 3855 Human Swiss-port # P08729 Human
Gene Symbol	KRT7
Gene Full Name	keratin 7, type II
Background	Cytokeratin 7 is a member of the keratin gene family. The type II cytokeratins consist of basic or neutral proteins which are arranged in pairs of heterotypic keratin chains coexpressed 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	Cytoplasm

Images



ARG54018 anti-Cytokeratin 7 antibody ICC/IF image

Immunofluorescence: HeLa cells stained with ARG54018 anti-Cytokeratin 7 antibody at 1:150 dilution.



T47D

ARG54018 anti-Cytokeratin 7 antibody WB image

Western blot: T47D cell lysate stained with ARG54018 anti-Cytokeratin 7 antibody at 1:1000 dilution.