

Product datasheet

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ARG43299 anti-Cytokeratin 7 antibody

Package: 100 μl Store at: -20°C

Summary

Product Description Rabbit Polyclonal antibody recognizes Cytokeratin 7

Tested Reactivity Hu, Ms, Rat

Tested Application ICC/IF, IHC-P, WB

Host Rabbit

Clonality Polyclonal

Isotype IgG

Target Name Cytokeratin 7

Species Human

Immunogen Synthetic peptide derived from Human Cytokeratin 7.

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	1:50 - 1:200
	IHC-P	1:100 - 1:500
	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.	
Positive Control	HeLa	
Observed Size	~ 51 kDa	

Properties

Form Liquid

Purification Affinity purified.

Buffer PBS (pH 7.4), 150 mM NaCl, 0.02% Sodium azide and 50% Glycerol.

Preservative 0.02% Sodium azide

Stabilizer 50% Glycerol

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.

Bioinformation

Gene Symbol KRT7

Gene Full Name keratin 7, type II

Background The protein encoded by this gene 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 Blocks interferon-dependent interphase and stimulates DNA synthesis in cells. Involved in the

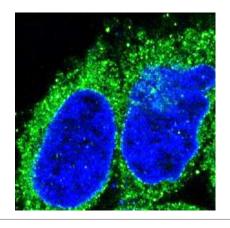
translational regulation of the human papillomavirus type 16 E7 mRNA (HPV16 E7). [UniProt]

Calculated Mw 51 kDa

PTM Arg-20 is dimethylated, probably to asymmetric dimethylarginine. [UniProt]

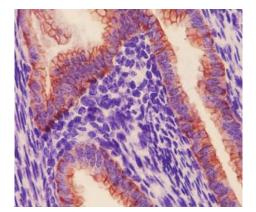
Cellular Localization Cytoplasm. [UniProt]

Images



ARG43299 anti-Cytokeratin 7 antibody ICC/IF image

Immunofluorescence: HeLa cells stained with ARG43299 anti-Cytokeratin 7 antibody.



ARG43299 anti-Cytokeratin 7 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human uterus tissue stained with ARG43299 anti-Cytokeratin 7 antibody.



ARG43299 anti-Cytokeratin 7 antibody WB image