

ARG66352 anti-Cytokeratin 18 antibody [SQab18102]

Package: 100 µl
Store at: -20°C

Summary

Product Description	Recombinant Rabbit Monoclonal antibody [SQab18102] recognizes Cytokeratin 18
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Monoclonal
Clone	SQab18102
Isotype	IgG
Target Name	Cytokeratin 18
Species	Human
Immunogen	Synthetic peptide within aa. 330-430 of Human Cytokeratin 18.
Conjugation	Un-conjugated
Alternate Names	Keratin, type I cytoskeletal 18; Cytokeratin-18; K18; CK-18; Cell proliferation-inducing gene 46 protein; Keratin-18; CYK18

Application Instructions

Application table	Application	Dilution
	IHC-P	1:100 - 1:200
	WB	1:500 - 1:1000
Application Note	IHC-P: Antigen Retrieval: Heat mediated was performed using Tris/EDTA buffer (pH 9.0), primary antibody incubate at RT for 30 min. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HCT116; Human liver tissue	
Observed Size	~ 48 kDa	

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.

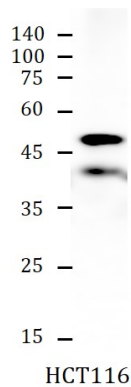
Note

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

Bioinformation

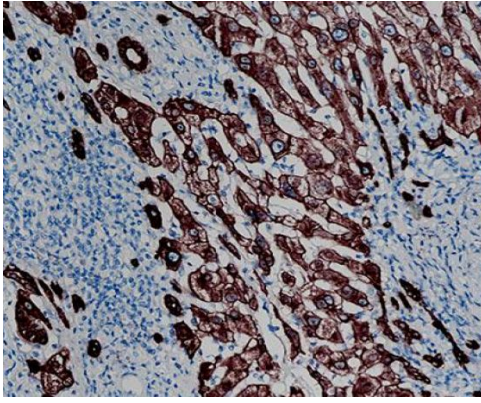
Gene Symbol	KRT18
Gene Full Name	keratin 18, type I
Background	Cytokeratin 18, together with its filament partner Cytokeratin 8, are perhaps the most commonly found members of the intermediate filament gene family. They are expressed in single layer epithelial tissues of the body. Mutations in this gene have been linked to cryptogenic cirrhosis. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]
Function	Cytokeratin 18 involved in the uptake of thrombin-antithrombin complexes by hepatic cells. When phosphorylated, plays a role in filament reorganization. Involved in the delivery of mutated CFTR to the plasma membrane. Together with KRT8, is involved in interleukin-6 (IL-6)-mediated barrier protection. [UniProt]
Highlight	Related products: Anti-Rabbit IgG secondary antibodies; Related news: Cancer Pathology Markers (SQ clones)
Calculated Mw	48 kDa
PTM	Phosphorylation at Ser-34 increases during mitosis. Hyperphosphorylated at Ser-53 in diseased cirrhosis liver. Phosphorylation increases by IL-6. Proteolytically cleaved by caspases during epithelial cell apoptosis. Cleavage occurs at Asp-238 by either caspase-3, caspase-6 or caspase-7. O-GlcNAcylation increases solubility, and decreases stability by inducing proteasomal degradation. [UniProt]

Images



ARG66352 anti-Cytokeratin 18 antibody [SQab18102] WB image (Customer's Feedback)

Western blot: HCT116 cell lysate stained with ARG66352 anti-Cytokeratin 18 antibody [SQab18102] at 1:1000 dilution.



ARG66352 anti-Cytokeratin 18 antibody [SQab18102] IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded liver tissue stained with ARG66352 anti-Cytokeratin 18 antibody [SQab18102]. Antigen Retrieval: Heat mediated was performed using Tris/EDTA buffer (pH 9.0).