ARG43134
anti-FLCN antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes FLCN
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	FLCN
Species	Human
Immunogen	Recombinant protein corresponding to C8-K551 of Human FLCN.
Conjugation	Un-conjugated
Alternate Names	Birt-Hogg-Dube syndrome protein; FLCL; BHD skin lesion fibrofolliculoma protein; BHD; Folliculin

Application Instructions

Application table

Application	Dilution
FACS	1:150 - 1:500
ICC/IF	1:200 - 1:1000
IHC-P	1:200 - 1:1000
WB	1:500 - 1:2000

Application Note: IHC-P: Antigen Retrieval: Heat mediation was 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: ~ 70 kDa

Properties

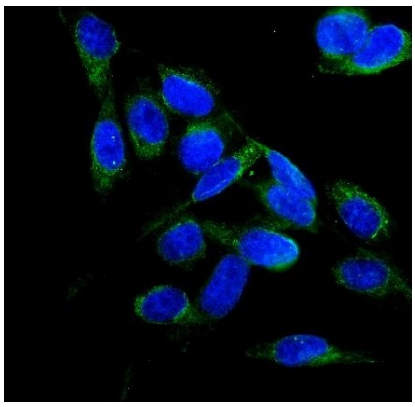
Form	Liquid
Purification	Immunogen affinity purified.
Buffer	0.2% Na2HPO4, 0.9% NaCl, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term 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

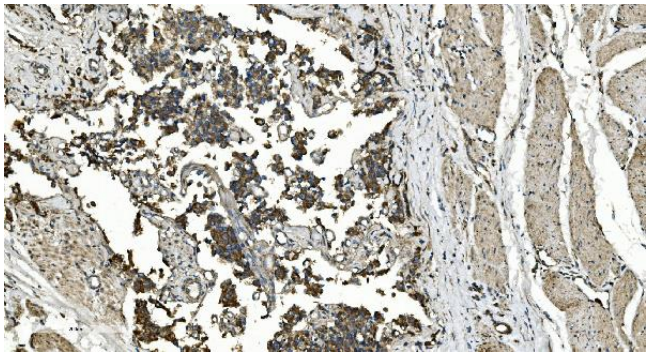
Gene Symbol	FLCN
Gene Full Name	folliculin
Background	This gene is located within the Smith-Magenis syndrome region on chromosome 17. Mutations in this gene are associated with Birt-Hogg-Dube syndrome, which is characterized by fibrofolliculomas, renal tumors, lung cysts, and pneumothorax. Alternative splicing of this gene results in two transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]
Function	May be a tumor suppressor. May be involved in energy and/or nutrient sensing through the AMPK and mTOR signaling pathways. May regulate phosphorylation of RPS6KB1. [UniProt]
Calculated Mw	64 kDa
PTM	Phosphorylated. Several different phosphorylated forms exist. [UniProt]
Cellular Localization	Cytoplasm. Nucleus. Note=Mainly localized in the nucleus. Colocalizes with FNIP1 and FNIP2 in the cytoplasm. [UniProt]

Images



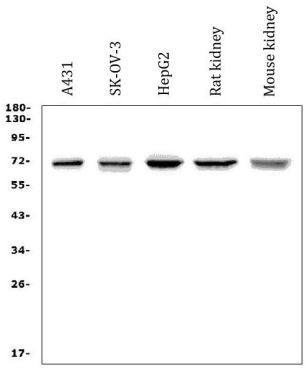
ARG43134 anti-FLCN antibody ICC/IF image

Immunofluorescence: U2OS cells were blocked with 10% goat serum and then stained with ARG43134 anti-FLCN antibody (green) at 2 µg/ml dilution, overnight at 4°C. DAPI (blue) for nuclear staining.



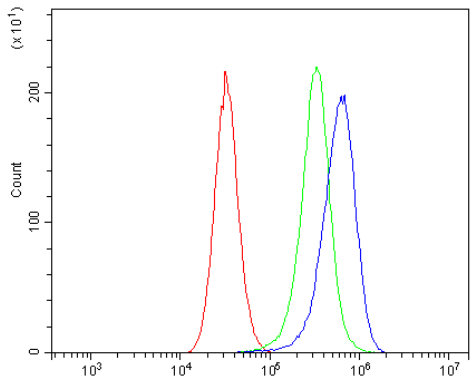
ARG43134 anti-FLCN antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human bladder 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 ARG43134 anti-FLCN antibody at 1 µg/ml dilution, overnight at 4°C.



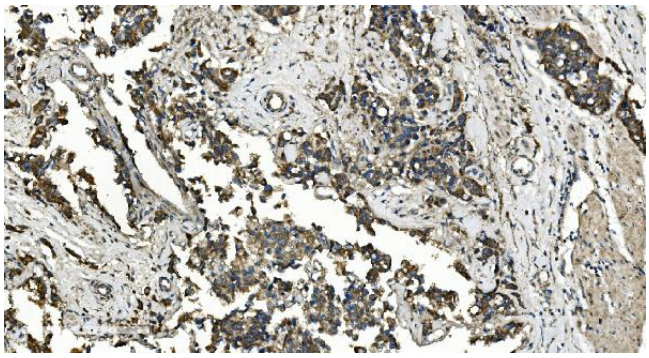
ARG43134 anti-FLCN antibody WB image

Western blot: 50 µg of sample under reducing conditions. A431, SK-OV-3, HepG2, Rat kidney and Mouse kidney lysates stained with ARG43134 anti-FLCN antibody at 0.5 µg/ml dilution, overnight at 4°C.



ARG43134 anti-FLCN antibody FACS image

Flow Cytometry: Caco-2 cells were blocked with 10% normal goat serum and then stained with ARG43134 anti-FLCN antibody (blue) at 1 µg/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 µg/10^6 cells) used under the same conditions. Unlabelled sample (red) was also used as a control.



ARG43134 anti-FLCN antibody IHC-P image

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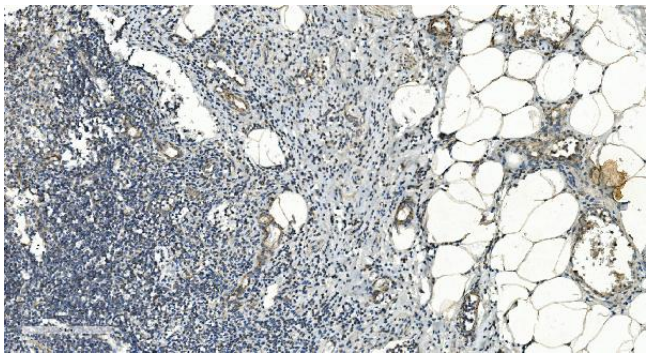
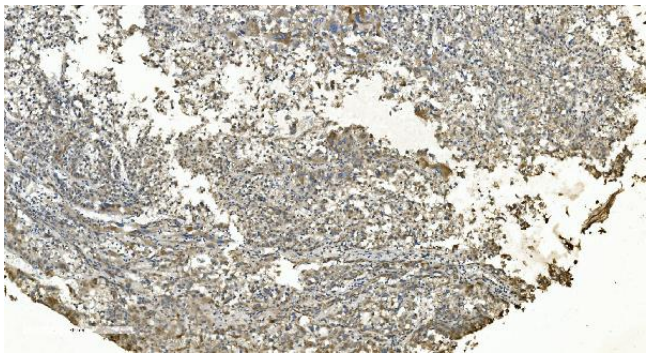


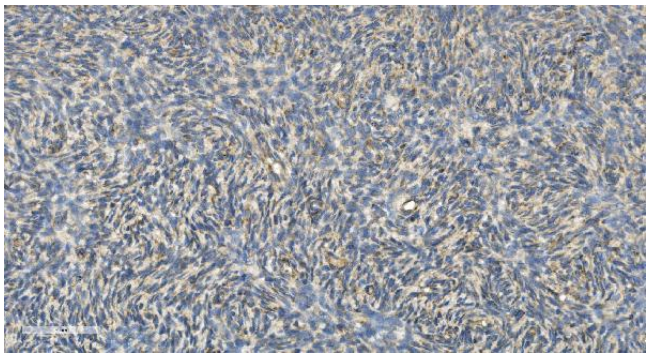
ARG43134 anti-FLCN antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human appendicitis 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 ARG43134 anti-FLCN antibody at 1 µg/ml dilution, overnight at 4°C.



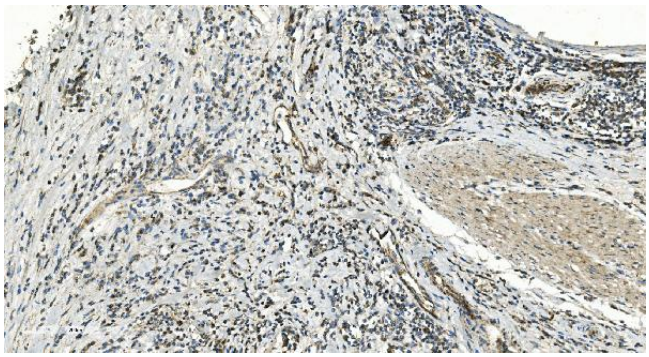
ARG43134 anti-FLCN antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human liver 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 ARG43134 anti-FLCN antibody at 1 µg/ml dilution, overnight at 4°C.



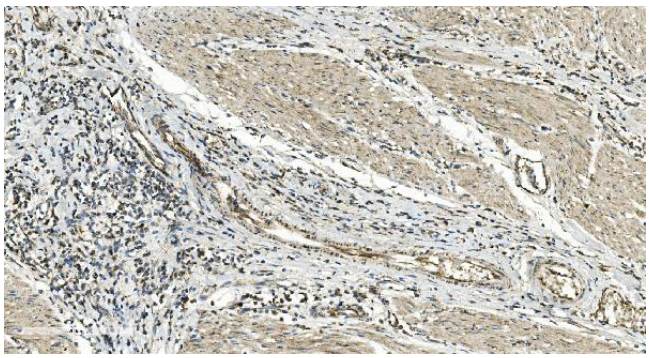
ARG43134 anti-FLCN antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human skin 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 ARG43134 anti-FLCN antibody at 1 µg/ml dilution, overnight at 4°C.



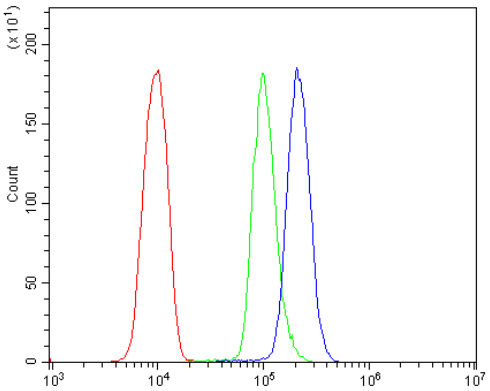
ARG43134 anti-FLCN antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human rectal 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 ARG43134 anti-FLCN antibody at 1 µg/ml dilution, overnight at 4°C.



ARG43134 anti-FLCN antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human rectal 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 ARG43134 anti-FLCN antibody at 1 µg/ml dilution, overnight at 4°C.



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