IFITM3 antibody

Product Information

Catalog No.:	FNab04145
Size:	100μg
Form:	liquid
Purification:	Protein A+G purification
Purity:	≥95% as determined by SDS-PAGE
Host:	Mouse
Clonality:	monoclonal
Clone ID:	5H4
IsoType:	IgG1
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20℃ for 12 months(Avoid repeated freeze / thaw cycles.)

Background

IFN-induced antiviral protein which disrupts intracellular cholesterol homeostasis. Inhibits the entry of viruses to the host cell cytoplasm by preventing viral fusion with cholesterol depleted endosomes. May inactivate new enveloped viruses which buds out of the infected cell, by letting them go out with a cholesterol depleted membrane. Active against multiple viruses, including influenza A virus, SARS coronavirus(SARS-CoV), Marburg virus(MARV) and Ebola virus(EBOV), Dengue virus(DNV), West Nile virus(WNV), human immunodeficiency virus type 1(HIV-1) and vesicular stomatitis virus(VSV). Can inhibit: influenza virus hemagglutinin protein-mediated viral entry, MARV and EBOV GP1,2-mediated viral entry, SARS-CoV S protein-mediated viral entry and VSV G protein-mediated viral entry. Plays a critical role in the structural stability and function of vacuolar ATPase(v-ATPase). Establishes physical contact with the v-ATPase of endosomes which is critical for proper clathrin localization and is also required for the function of the v-ATPase to lower the pH in phagocytic endosomes thus establishing an antiviral state.This antibody recognizes both IFITM2 and IFITM3.

Immunogen information

Immunogen:	IFITM2/3 fusion protein
Synonyms:	Interferon-induced transmembrane protein 3|Dispanin subfamily A member 2b (DSPA2b)|Interferon-inducible protein 1-8U|IFITM3
Observed MW:	14 kDa
Uniprot ID :	Q01628

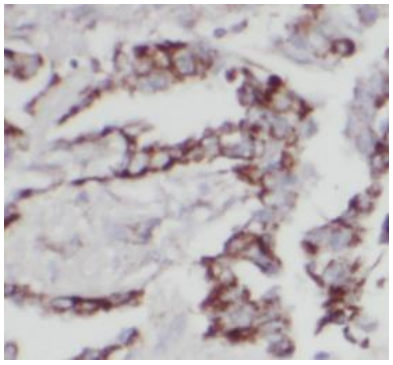
Application

Reactivity: Human

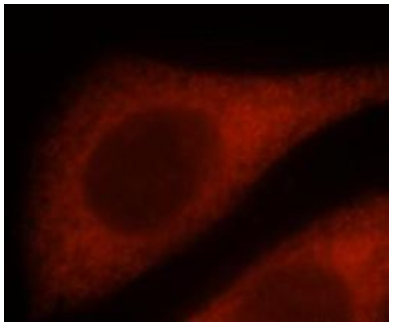
Tested Application: ELISA, WB, IF, IHC, FC

Recommended dilution: WB: 1:500-1:2000; IHC: 1:20-1:200; IF: 1:10-1:100

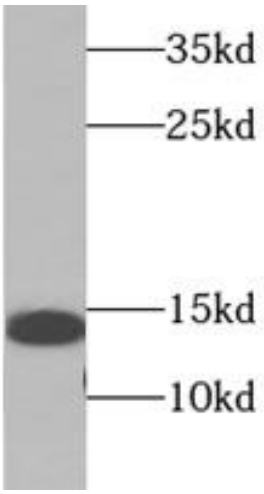
Image:



Immunohistochemistry of paraffin-embedded human lung cancer using FNab04145(IFITM3 antibody) at dilution of 1:50



Immunofluorescent analysis of HepG2 cells, using IFITM3 antibody FNab04145 at 1:25 dilution and Rhodamine-labeled goat anti-mouse IgG (red)



HeLa cells were subjected to SDS PAGE followed by western blot with FNab04145(IFITM3 antibody) at dilution of 1:1000