

anti- IFITM3 antibody

Product Information

Catalog No.:	FNab04144
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C 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.

Immunogen information

Immunogen:	interferon induced transmembrane protein 3
Synonyms:	1 8U, IFITM3, IP15
Observed MW:	14 kDa

Wuhan Fine Biotech Co., Ltd.

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Uniprot ID : Q01628

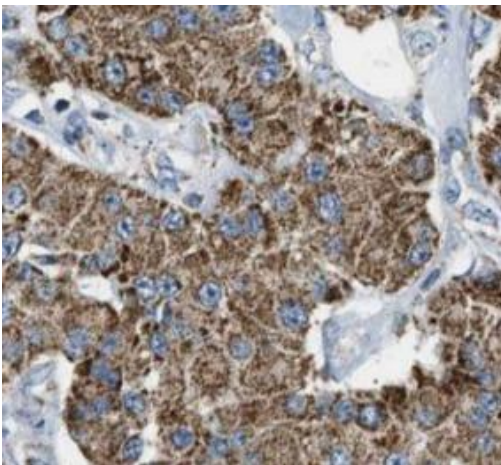
Application

Reactivity: Human, Mouse, Rat

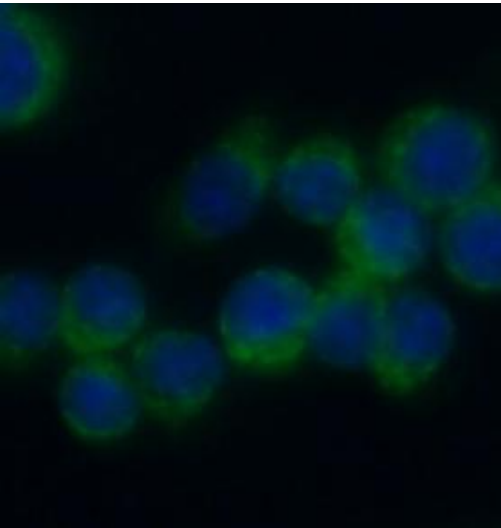
Tested Application: ELISA, WB, IHC, IP, IF, FC

Recommended dilution: WB: 1:500-1:2000; IP: 1:500-1:3000; IHC: 1:50-1:400; IF: 1:50-1:500

Image:



Immunohistochemistry of paraffin-embedded human colon cancer using FNab04144(IFITM3 antibody) at dilution of 1:100



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using FNab04144 (IFITM3 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L)

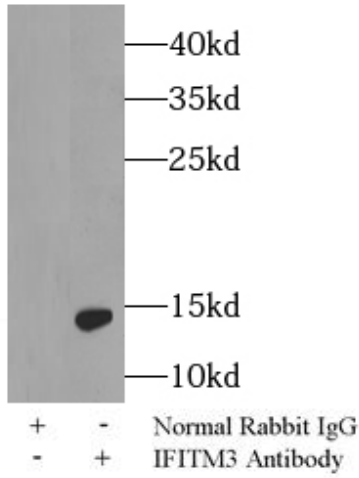
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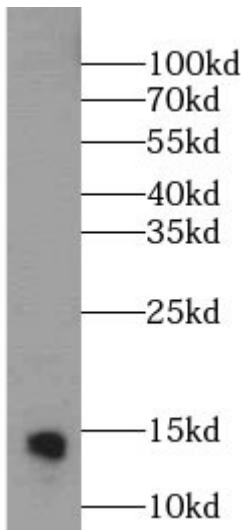
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IP Result of anti-IFITM3 (IP: FNab04144, 3ug;
Detection: FNab04144 1:1500) with HeLa cells
lysate 2400ug.



HeLa cells were subjected to SDS PAGE followed
by western blot with FNab04144(IFITM3
Antibody) at dilution of 1:1000