



Rabbit Anti-Fragilis antibody

SL12265R

Product Name:	Fragilis
Chinese Name:	Interferon诱导Transmembrane protein3抗体
Alias:	1 8U; Ifitm 3; Ifitm3; IFM3_HUMAN; Interferon induced transmembrane protein 3 (1 8U); Interferon Induced Transmembrane Protein 3; Interferon inducible; Interferon inducible protein 1 8U; Interferon Inducible Protein 15; Interferon Inducible Protein Homolog; Interferon-induced transmembrane protein 3; Interferon-inducible protein 1-8U; IP15.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Cow,Horse,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=1µg/TestICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	15kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Fragilis/IP15:41-100/133
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	IFITM3 is a multi-pass membrane protein that belongs to the IFITM (interferon inducible transmembrane) family of proteins. IFITM proteins are induced by type I and type II interferons and contain multiple interferon (IFN)-stimulated response elements

(ISREs) in their promoter regions. IFITM proteins play important roles in many cellular processes and their expression requires the presence of the chromatin remodeling SWI/SNF-like BAF complexes. Cellular processes involving IFITM proteins include cellular anti-proliferative activities and homotypic cell adhesion functions of interferons. In addition, IFITM genes are often upregulated in various cancer cells, suggesting a possible role in carcinogenesis. Localizing to the membrane, IFITM3 is a 133 amino acid protein that is induced by IFN- α and IFN- γ . IFITM3 expression can be regulated by TEF-1, Brg-1 and Sp1

Function:

IFN-induced antiviral protein that mediates cellular innate immunity to at least three major human pathogens, namely influenza A H1N1 virus, West Nile virus (WNV), and dengue virus (WNV), by inhibiting the early step(s) of replication.

Subunit:

Interacts with SPP1; the interaction reduces OPN expression. Interacts with ATP6V0B and CD81.

Subcellular Location:

Cell membrane; Single-pass type II membrane protein. Late endosome membrane; Single-pass type II membrane protein. Lysosome membrane; Single-pass type II membrane protein.

Post-translational modifications:

Palmitoylation on membrane-proximal cysteines controls clustering in membrane compartments and antiviral activity against influenza virus.

Not glycosylated.

Polyubiquitinated with both 'Lys-48' and 'Lys-63' linkages. Ubiquitination negatively regulates antiviral activity. Lys-24 is the most prevalent ubiquitination site.

Similarity:

Belongs to the CD225 family.

SWISS:

Q01628

Gene ID:

10410

Database links:

[Entrez Gene: 10410](#) Human

[Entrez Gene: 66141](#) Mouse

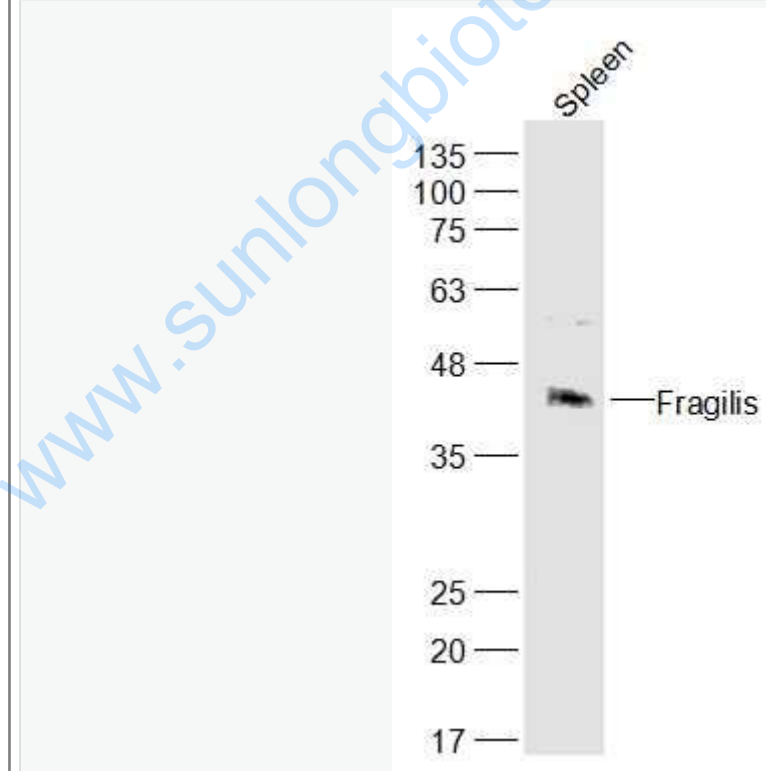
[Entrez Gene: 361673](#) Rat

[Omim: 605579](#) Human
[SwissProt: Q01628](#) Human
[SwissProt: Q9CQW9](#) Mouse
[SwissProt: P26376](#) Rat
[Unigene: 374650](#) Human
[Unigene: 141021](#) Mouse
[Unigene: 145191](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

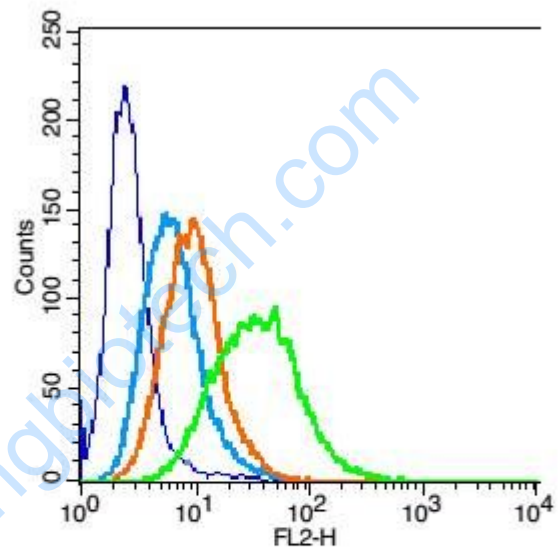
Spleen (Mouse) Lysate at 40 ug

Primary: Anti-Fragilis (SL12265R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 40 kD

Observed band size: 40 kD



Key	Name	Parameter	Gate
—	U-2OS-blank.021	FL2-H	G1
—	bs-0295G-PE-U-2OS-2.022	FL2-H	G1
—	bs-0295P-(PE)-U-2OS-0.1.023	FL2-H	G1
—	bs-12265R-(PE)-U-2OS-1.025	FL2-H	G1

Blank control: U-2OS(blue)

Isotype Control Antibody: Rabbit IgG(orange) ; Secondary Antibody: Goat anti-rabbit IgG-PE(white blue), Dilution: 1:100 in 1 X PBS containing 0.5% BSA ;

Primary Antibody Dilution: 1µl in 100 µL1X PBS containing 0.5% BSA(green).