

# IFITM3 Polyclonal Antibody

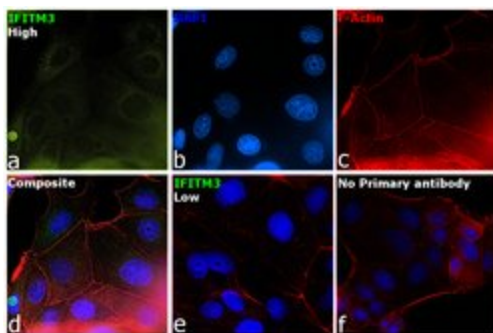
Product Details	
Size	100 µg
Species Reactivity	Mouse, Rat
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide derived from residues 1 - 50 of Mouse Fragilis.
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7.4
Contains	0.02% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2551950

Applications	Tested Dilution	Publications
Western Blot (WB)	1 µg/mL	-
Immunohistochemistry (Paraffin) (IHC (P))	Assay-Dependent	-
Immunohistochemistry (Frozen) (IHC (F))	10 µg/mL	-
Immunocytochemistry (ICC/IF)	5-10 µg/mL	-
Immunoprecipitation (IP)	Assay-Dependent	-

## Product Specific Information

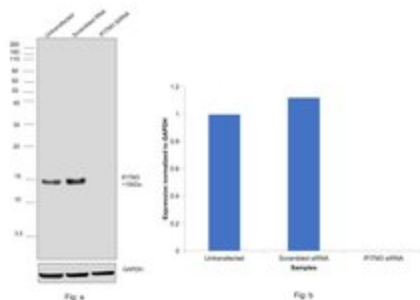
Immunohistochemistry has been used successfully with glycolmethacrylate sections.

## Advanced Verification Data



### IFITM3 Antibody (PA5-34598)

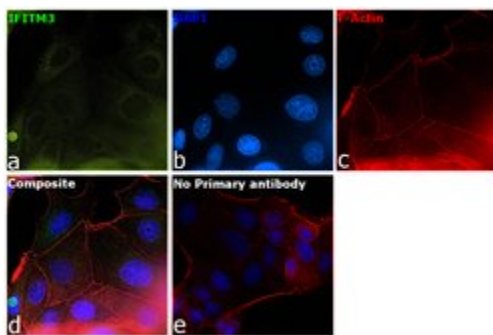
Antibody specificity was demonstrated by detection of differential basal expression of the target across cell models owing to their inherent genetic constitution. Immunofluorescence analysis using Anti-IFITM3 Polyclonal Antibody (Product # PA5-34598), shows MCF-7 is a high expression model and Caco-2 is a low expression model as reported. Relative expression validation info.



### IFITM3 Antibody (PA5-34598)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. MCF-7 cells were transfected with IFITM3 siRNA and decrease in signal intensity was observed in Western Blot application using Anti-IFITM3 Polyclonal Antibody (Product # PA5-34598). Knockdown validation info.

## Product Images For IFITM3 Polyclonal Antibody



### IFITM3 Antibody (PA5-34598) in ICC/IF

Immunofluorescence analysis of IFITM3 was performed using 70% confluent log phase MCF-7 cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 2% BSA for 45 minutes at room temperature. The cells were labeled with IFITM3 Polyclonal Antibody (Product # PA5-34598) at 10 µg/mL in 0.1% BSA, incubated at 4 degree celsius overnight and then labeled with Donkey anti-Rabbit IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # A32790), (1:2000 dilution), for 45 minutes at room temperature (Panel a: Green). Nuclei (Panel b: Blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). F-actin (Panel c: Red) was stained with Rhodamine Phalloidin (Product # R415, 1:300 dilution). Panel d represents the merged image showing Lysosomal and endosomal localization. Panel e represents Caco-2 is a low expressing cell model as reported. Panel f represents control cells with no primary antibody to assess background. The images were captured at 60X with oil immersion magnification.

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