

Human IFITM2/IFITM3 Antibody

Antigen Affinity-purified Polyclonal Goat IgG Catalog Number: AF4834

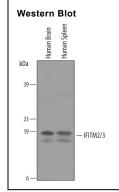
DESCRIPTION				
Species Reactivity	Human			
Specificity	Detects human IFITM2 and human IFITM3 in direct ELISAs and Western blots. In direct ELISAs, less than 4% cross-reactivity with recombinant human IFITM1 is observed.			
Source	Polyclonal Goat IgG			
Purification	Antigen Affinity-purified			
Immunogen	E. coli-derived human IFITM3 His3-His57 Accession # Q01628			
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.			

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Western Blot	1 μg/mL	See Below

DATA



Detection of Human IFITM2/IFITM3/Fragilis by Western Blot. Western Blot. Western blot shows lysates of human brain tissue and human spleen tissue. PVDF membrane was probed with 1 μ g/mL of Goat Anti-Human IFITM2/3 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF4834) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF019). Specific bands were detected for IFITM2 and IFITM3 at approximately 15 and 17 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 8.

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Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
	*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C

Stability & Storage

Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

IFITM3 (IFN-inducible tranemembrane protein 3; also IFN-inducible protein 1-8U and fragilis) is a 14.6 kDa (predicted) member of the CD225 family of proteins. It is expressed on primordial germ cells and select tumor types, and appears to regulate cell migration. Human IFITM3 is a 133 amino acid (aa), two-transmembrene protein that contains an N-terminal (aa 1-57) and a C-terminal (aa 108-128) extracellular domain. Over aa 3-57, human IFITM3 is 59% and 56% aa identical to bovine and mouse IFITM3, respectively. Over aa 3-57 human IFITM3 is 88% identical to human IFITM2.

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