

IFIT1 Polyclonal Antibody

Catalog NumberPA5-27907

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human, Non-human primate
Host/Isotope	Rabbit / IgG	Tested Applications	Dilution *
Class	Polyclonal		
Type	Antibody	Western Blot (WB)	1:500-1:3,000
Immunogen	Recombinant fragment corresponding to a region within amino acids 87 and 478 of Human IFIT1	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	0.92 mg/mL		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

Product specific information

PA5-27907 targets IFIT1 in WB applications and shows reactivity with Human and Monkey samples. The PA5-27907 immunogen is recombinant fragment corresponding to a region within amino acids 87 and 478 of Human IFIT1.

Background/Target Information

Interferon-induced antiviral RNA-binding protein that specifically binds single-stranded RNA bearing a 5'-triphosphate group (PPP-RNA), thereby acting as a sensor of viral single-stranded RNAs and inhibiting expression of viral messenger RNAs. Single-stranded PPP-RNAs, which lack 2'-O-methylation of the 5' cap and bear a 5'-triphosphate group instead, are specific from viruses, providing a molecular signature to distinguish between self and non-self mRNAs by the host during viral infection. Directly binds PPP-RNA in a non-sequence-specific manner. Viruses evolved several ways to evade this restriction system such as encoding their own 2'-O-methylase for their mRNAs or by stealing host cap containing the 2'-O-methylation (cap snatching mechanism). Exhibits antiviral activity against several viruses including human papilloma and hepatitis C viruses.

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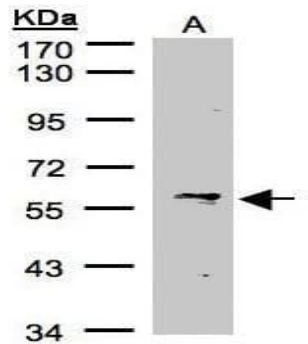
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Product Images For IFIT1 Polyclonal Antibody

IFIT1 Antibody (PA5-27907) in WB

Western blot analysis of IFIT1 using 30µg of HeLa S3 lysate. Samples were loaded onto a 7.5% SDS-PAGE gel and probed with an IFIT1 polyclonal antibody (Product # PA5-27907) at a dilution of 1:500.



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