

Anti-IFIT1 Polyclonal Antibody

Cat: K110388P

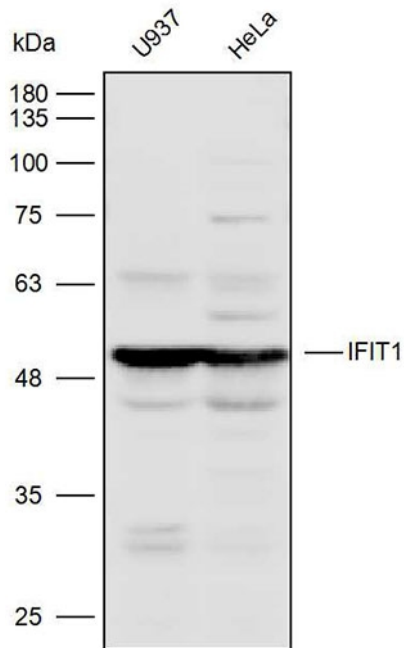
Summary:

【Product name】 : Anti-IFIT1 antibody	【Source】 : Rabbit
【Isotype】 : IgG	【Species reactivity】 : Human
【Swiss Prot】 : P09914	【Gene ID】 : 3434
【Calculated】 : MW:52/55kDa	【Observed】 : MW:51kDa
【Purification】 : Affinity purification	
【Tested applications】 : WB	
【Recommended dilution】 : WB 1:1000-3000.	
【WB Positive sample】 : U937,HeLa	
【Subcellular location】 : Cytoplasm	
【Immunogen】 : Recombinant protein of human IFIT1	
【Storage】 : Shipped at 4°C. Upon delivery aliquot and store at -20°C	

Background:

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.

Verified picture



Western blot analysis with IFIT1 antibody diluted at
1:2000; Lane: U937, HeLa