Product Datasheet

IFIT5 Antibody

Catalog No: #35225

Package Size: #35225-1 50ul #35225-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

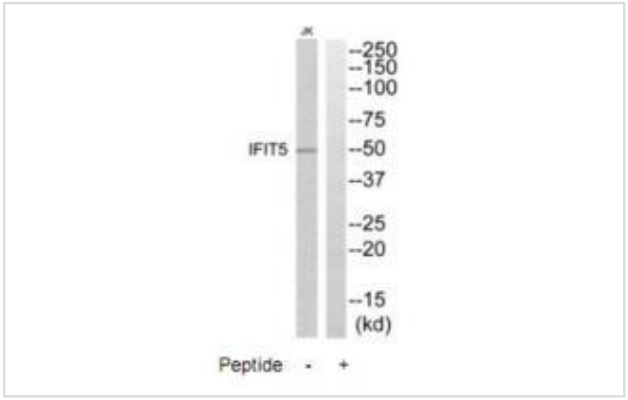
Description

Product Name	IFIT5 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total IFIT5 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human IFIT5.
Target Name	IFIT5
Other Names	IFIT-5; interferon-induced protein with tetratricopeptide repeats 5; retinoic acid- and interferon-inducible 58 kDa protein; RI58;
Accession No.	Swiss-Prot: Q13325NCBI Gene ID: 24138
SDS-PAGE MW	50kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500~1:3000

Images



Western blot analysis of extracts from Jurkat cells, using IFIT5 antibody #35225.

Background

Interferon-induced 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. 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. Also recognizes and binds tRNAs.

Rogers J., Nature 429:375-381(2004).
Venter J.C., Submitted (SEP-2005).
Bennett K.L., Submitted (OCT-2008).

Published Papers

el at., NF-κB-Dependent IFIT3 Induction by HBx Promotes Hepatitis B Virus Replication. In Front Microbiol on 2019 Oct 11 by Xu F, Song H, et al..PMID:31681236, , (2019)

PMID:31681236

Note: This product is for in vitro research use only and is not intended for use in humans or animals.