Anti-IFIT2 antibody

Description	Unconjugated Rabbit polyclonal to IFIT2

Model	STJ190316
Host	Rabbit
Reactivity	Human
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human IFIT2 protein.
Immunogen Region	200-280aa
Gene ID	3433
Gene Symbol	IFIT2
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	IFIT2 Polyclonal Antibody detects endogenous levels of protein.
Purification	IFIT2 antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Interferon-induced protein with tetratricopeptide repeats 2 IFIT-2 ISG-54 K Interferon-induced 54 kDa protein IFI-54K P54
Molecular Weight	51 kDa
Clonality	Polyclonal
Conjugation	Unconjugated

Isotype	IgG
Formulation	Liquid form in PBS containing 50% glycerol,and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:5409OMIM:147040
Alternative Names	Interferon-induced protein with tetratricopeptide repeats 2 IFIT-2 ISG-54 K Interferon-induced 54 kDa protein IFI-54K P54
Function	IFN-induced antiviral protein which inhibits expression of viral messenger RNAs lacking 2'-O-methylation of the 5' cap. The ribose 2'-O-methylation would provide a molecular signature to distinguish between self and non-self mRNAs by the host during viral infection. 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). Binds AU-rich viral RNAs, with or without 5' triphosphorylation, RNA-binding is required for antiviral activity. Can promote apoptosis.
Sequence and Domain Family	The C-terminal part folds into a super-helical structure and has an extensively positively-charged nucleotide-binding channel on its inner surface.
Cellular Localization	Cytoplasm Endoplasmic reticulum