10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

IFIT2 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17102c

Product Information

Application	WB, E
Primary Accession	P09913
Other Accession	NP_001538.4
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB37050
Calculated MW	54632
Antigen Region	307-335

Additional Information

Gene ID	3433
Other Names	Interferon-induced protein with tetratricopeptide repeats 2, IFIT-2, ISG-54 K, Interferon-induced 54 kDa protein, IFI-54K, P54, IFIT2, CIG-42, G10P2, IFI54, ISG54
Target/Specificity	This IFIT2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 307-335 amino acids from the Central region of human IFIT2.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	IFIT2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

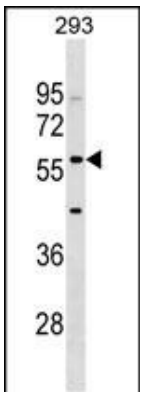
Name	IFIT2
Synonyms	CIG-42, G10P2, IFI54, ISG54

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.
Cellular Location	Cytoplasm. Endoplasmic reticulum

References

Lai, K.C., et al. Mol. Cancer Res. 6(9):1431-1439(2008)
Terenzi, F., et al. J. Biol. Chem. 281(45):34064-34071(2006)
Olsen, J.V., et al. Cell 127(3):635-648(2006)
Saha, S., et al. J. Gen. Virol. 87 (PT 11), 3285-3289 (2006) :
Grupe, A., et al. Am. J. Hum. Genet. 78(1):78-88(2006)

Images



IFIT2 Antibody (Center) (Cat. #AP17102c) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the IFIT2 antibody detected the IFIT2 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.