10320 Camino Santa Fe, Suite G
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IFIT2 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP17102c

Specification

IFIT2 Antibody (Center) Blocking Peptide - Product Information

Primary Accession	P09913
Other Accession	NP_001538.4

IFIT2 Antibody (Center) Blocking Peptide - 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

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

IFIT2 Antibody (Center) Blocking Peptide - 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

IFIT2 Antibody (Center) Blocking Peptide - Protocols

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Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

IFIT2 Antibody (Center) Blocking Peptide - Images

IFIT2 Antibody (Center) Blocking Peptide - 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)