

Rabbit anti-Human IFIT2 Polyclonal Antibody | anti-IFIT2 antibody

IFIT2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327749	Rabbit	Human	ELISA, Immunohistochemistry, Western Blot

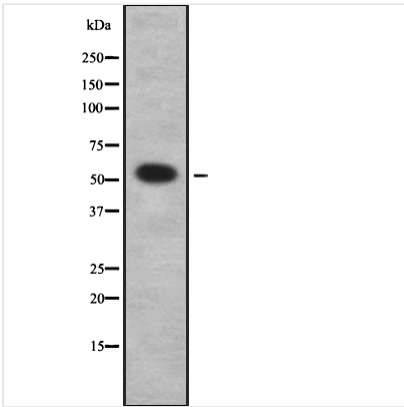
PRODUCT SYNONYMS

IFIT2; Polyclonal Antibody; IFIT2 Antibody; CIG-42; cig42; G10P2; GARG 39; Glucocorticoid attenuated response gene 39; IFI 54; IFI 54K; IFI-54K; IFI54; IFIT 2; IFIT-2; IFIT2_HUMAN; Interferon induced 54 kDa protein; Interferon induced protein 54; Interferon induced protein with tetratricopeptide repeats 2; Interferon; alpha inducible protein (MW 54kD); Interferon-induced 54 kDa protein; Interferon-induced protein with tetratricopeptide repeats 2; ISG 54 K; ISG 54K; ISG-54 K; ISG54; anti-IFIT2 antibody

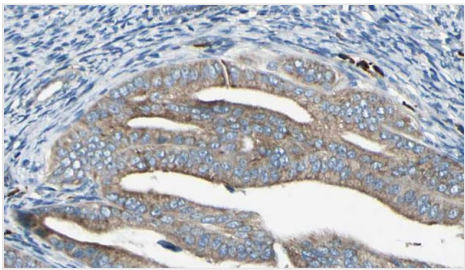
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	IFIT2 antibody detects endogenous levels of total IFIT2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	472
Applicable Applications for anti-IFIT2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human IFIT2
Subcellular Location	Endoplasmic Reticulum
Tissue Specificity	By type I interferons, dsRNAs and viruses.
Predicted Cross Reactivity	Pig
Similarity	Pig (80%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis IFIT2 using HeLa whole cell lysates



IHC (Immunohistochemistry)
AAA327749 at 1/100 staining Human cervical cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-IFIT2 antibody	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. Subunit Structure: Domain-swapped homodimer. Component of an interferon-dependent multiprotein complex, at least composed of IFIT1, IFIT2 and IFIT3. Interacts with IFIT1 and IFIT3. Interacts with TMEM173/MITA and disrupts its interaction with MAVS or TBK1. Interacts with EIF3E and EIF3C. Similarity: The C-terminal part folds into a super-helical structure and has an extensively positively-charged nucleotide-binding channel on its inner surface. Belongs to the IFIT family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	153082755
NCBI GeneID	3433
NCBI Accession #	NP_001538.4
NCBI GenBank Nucleotide #	NM_001547.4
UniProt Accession #	P09913; Q5T767
Molecular Weight	Observed: 55 kDa Predicted: 55 kDa
NCBI Official Full Name	interferon-induced protein with tetratricopeptide repeats 2
NCBI Official Synonym Full Names	interferon induced protein with tetratricopeptide repeats 2
NCBI Official Symbol	IFIT2
NCBI Official Synonym Symbols	P54; G10P2; IFI54; ISG54; cig42; IFI-54; IFIT-2; GARG-39; IFI-54K; ISG-54K; ISG-54 K
NCBI Protein Information	interferon-induced protein with tetratricopeptide repeats 2
UniProt Protein Name	Interferon-induced protein with tetratricopeptide repeats 2
UniProt Gene Name	IFIT2
UniProt Synonym Gene Names	CIG-42; G10P2; IFI54; ISG54; IFIT-2; IFI-54K; P54

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ifit2-antibody-immunohistochemistry-western-blot-elisa/327749>