

Rabbit IFI-56K Polyclonal Antibody | anti-IFI-56K antibody

IFI-56K Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322543	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

IFI-56K; Polyclonal Antibody; IFI-56K Antibody; C56; G10P1; GARG 16; GARG16; IFI 56; IFI 56K; IFI56; IFIT-1; Ifit1; IFIT1_HUMAN; IFNAI1; Interferon alpha inducible protein (MW 56kD); Interferon induced 56 kDa protein; Interferon induced protein 56; Interferon inducible mRNA 561; Interferon-induced 56 kDa protein; Interferon-induced protein with tetratricopeptide repeats 1; ISG56; OTTHUMP00000020062; P56; RNM561; anti-IFI-56K antibody

PRODUCT SPECIFICATIONS

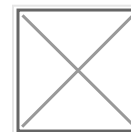
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	IFI-56K antibody detects endogenous levels of total IFI-56K
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	447
Applicable Applications for anti-IFI-56K antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human IFI-56K
Tissue Specificity	By type I interferons, dsRNAs and viruses.
Predicted Cross Reactivity	Horse
Similarity	Horse (86%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA322543 staining LOVO by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis IFI-56K using LOVO whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-IFI-56K antibody	Function: Interferon-induced antiviral 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 and inhibiting expression of viral messenger 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. 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). Exhibits antiviral activity against several viruses including human papilloma and hepatitis C viruses. Subunit Structure: Component of an interferon-dependent multiprotein complex, at least composed of IFIT1, IFIT2 and IFIT3. Interacts (via TPR repeats 4-7) with EEF1A1 (By similarity). Interacts with EIF3C (By similarity). Interacts with IFIT2 and IFIT3. Interacts (via TPR repeats 1-4) with RPL15. Interacts with TMEM173/MITA and disrupts its interaction with MAVS or TBK1. Interacts with EIF3E. Interacts (via TPR repeat 2) with E1 proteins of HPV types 11, 18 and 3 and this interaction blocks E1 helicase activity and viral replication. Post-translational Modifications: Phosphorylated. ISGylated. Similarity: RNA recognition is mediated by a convoluted intramolecular fold of the TPR repeats (TPR eddy), which scaffolds unique additional helices that form an RNA binding cleft. Belongs to the IFIT family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	400286381
NCBI GeneID	3434
NCBI Accession #	NP_001257857.1
NCBI GenBank Nucleotide #	NM_001270928.1
UniProt Accession #	P09914; Q5T7J1; Q96QM5; B3KS50; D3DR31
Molecular Weight	Observed: 55 kDa Predicted: 56 kDa
NCBI Official Full Name	interferon-induced protein with tetratricopeptide repeats 1 isoform 3
NCBI Official Synonym Full Names	interferon induced protein with tetratricopeptide repeats 1
NCBI Official Symbol	IFIT1
NCBI Official Synonym Symbols	C56; P56; G10P1; IFI56; ISG56; IFI-56; IFIT-1; IFNAI1; RNM561; IFI-56K
NCBI Protein Information	interferon-induced protein with tetratricopeptide repeats 1
UniProt Protein Name	Interferon-induced protein with tetratricopeptide repeats 1
UniProt Gene Name	IFIT1
UniProt Synonym Gene Names	G10P1; IFI56; IFNAI1; ISG56; IFIT-1; IFI-56K; P56

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/ifi-56k-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/322543>