IFI6 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	IFI6, Polyclonal Antibody
Full Product Name	IFI6 Conjugated Antibody
Product Gene Name	anti-IFI6 antibody
Product Synonym Names	6-16; G1P3; FAM14C; IFI616; IFI-6-16
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Specificity	The antibody detects endogenous level of total IFI6 antibody.
Preparation and Storage	Store at 4 degree C for 6 months.
Molecular Weight	12,927 Da
Chromosome Location	Chromosome: 1; NC_000001.10 (27992572..27998724, complement). Location: 1p35
OMIM	147572
3D Structure	ModBase 3D Structure for P09912
Immunogen	Recombinant protein of human IFI6.
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-IFI6 antibody	Most Applications
Application Notes for anti-IFI6 antibody	Suggested Dilution: AF350 conjugated: most applications: 1:50-1:250 AF405 conjugated: most applications: 1:50-1:250 AF488 conjugated: most applications: 1:50-1:250 AF555 conjugated: most applications: 1:50-1:250 AF594 conjugated: most applications: 1:50-1:250 AF647 conjugated: most applications: 1:50-1:250 AF680 conjugated: most applications: 1:50-1:250 AF750 conjugated: most applications: 1:50-1:250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000
Related Product Information for anti-IFI6 antibody	This gene was first identified as one of the many genes induced by interferon. The encoded protein may play a critical role in the regulation of apoptosis. A minisatellite that consists of 26 repeats of a 12 nucleotide repeating element resembling the mammalian splice donor consensus sequence begins near the end of the second exon. Alternatively spliced transcript variants that encode different isoforms by using the two downstream repeat units as splice donor sites have been described.
Other Notes	Small volumes of anti-IFI6 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for IFI6 purchase	MBS9448865 is an antibody targeting IFI6. Also known as IFI6 Conjugated Antibody. Reactive in Human, Mouse. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IFI6. It may not necessarily be applicable to this product.

NCBI GI #	13259552
NCBI GeneID	2537
NCBI Accession #	NP_002029.3
UniProt Primary Accession #	P09912
UniProt Secondary Accession #	Q13141; Q13142; Q5VVR2; Q5VVR3; Q6IE95; Q969M8
UniProt Related Accession #	P09912
GenBank Nucleotide #	NM_002038.3
NCBI Official Full Name	interferon alpha-inducible protein 6 isoform a
NCBI Official Synonym Full Names	interferon, alpha-inducible protein 6
NCBI Official Symbol	IFI6
NCBI Official Synonym Symbols	6-16; G1P3; FAM14C; IFI616; IFI-6-16
UniProt Protein Name	Interferon alpha-inducible protein 6
UniProt Synonym Protein Names	Interferon-induced protein 6-16
Protein Family	Interferon alpha-inducible protein
UniProt Gene Name	IFI6
UniProt Synonym Gene Names	G1P3; Ifi-6-16
UniProt Entry Name	IFI6_HUMAN
NCBI Protein Information	interferon alpha-inducible protein 6; interferon-induced protein 6-16; interferon, alpha-inducible protein clone IFI-6-16
UniProt Comments for IFI6	IFI6: first identified as one of the many genes induced by interferon. The encoded protein may play a critical role in the regulation of apoptosis. A minisatellite that consists of 26 repeats of a 12 nucleotide repeating element resembling the mammalian splice donor consensus sequence begins near the end of the second exon. Alternatively spliced transcript variants that encode different isoforms by using the two downstream repeat units as splice donor sites have been described. [provided by RefSeq, Jul 2008] Protein type: Membrane protein, multi-pass; Apoptosis; Membrane protein, integral Chromosomal Location of Human Ortholog: 1p35 Cellular Component: mitochondrion; plasma membrane; integral to membrane Molecular Function: protein binding Biological Process: release of cytochrome c from mitochondria; cytokine and chemokine mediated signaling pathway; immune response; negative regulation of caspase activity; negative regulation of mitochondrial depolarization
Research Articles on IFI6	**1.** Here we elucidate G1P3, a survival protein induced by interferons (IFNs), as a target of estrogen signaling and a contributor to poor outcomes in estrogen receptor-positive (ER(+)) breast cancer.
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