

IFI6 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP12965a**Specification**

IFI6 Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [P09912](#)**IFI6 Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 2537**Other Names**

Interferon alpha-inducible protein 6, Interferon-induced protein 6-16, Ifi-6-16, IFI6, G1P3

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.

IFI6 Antibody (N-term) Blocking peptide - Protein Information**Name** IFI6 ([HGNC:4054](#))**Function**

Interferon-stimulated protein that plays an important role in innate immune response against a wide variety of viruses (PubMed:31142663). Inhibits flavivirus replication by preventing the formation of virus-induced endoplasmic reticulum membrane invaginations, which are double-membrane vesicles that flaviviruses use for their replication (PubMed:30224801). Has an antiviral activity towards hepatitis C virus/HCV by inhibiting the EGFR signaling pathway, whose activation is required for entry of the virus into cells (PubMed:25757571). Within the nucleus, restricts hepatitis B virus/HBV promoter activity leading to substantial reduction of viral replication and gene expression (PubMed:33868257). Plays a role in apoptosis, negatively regulating the intrinsic apoptotic signaling pathway and TNFSF10-induced apoptosis (PubMed:15685448, PubMed:17823654, PubMed:26244642). However, it has also been shown to have a pro- apoptotic activity (PubMed:27673746). Modulates

innate immune response mediated by RIGI by preventing its activation (PubMed:36793726).

Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein. Mitochondrion inner membrane; Multi-pass membrane protein

IFI6 Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

IFI6 Antibody (N-term) Blocking peptide - Images**IFI6 Antibody (N-term) Blocking peptide - Background**

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.

IFI6 Antibody (N-term) Blocking peptide - References

Davila, S., et al. Genes Immun. 11(3):232-238(2010) Szegedi, K., et al. Exp. Dermatol. 19(3):269-278(2010) Johnatty, S.E., et al. PLoS Genet. 6 (7), E1001016 (2010) :Zhao, D., et al. Virol. J. 5, 114 (2008) :Cheriyath, V., et al. J. Clin. Invest. 117(10):3107-3117(2007)