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MAGEF1 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP6179a

Specification

MAGEF1 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession	Q9HAY2
Other Accession	NP_071432

MAGEF1 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 64110

Other Names
Melanoma-associated antigen F1, MAGE-F1 antigen, MAGEF1

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP6179a was selected from the C-term region of human MAGEF1 . A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

MAGEF1 Antibody (C-term) Blocking Peptide - Protein Information

Name MAGEF1 (HGNC:29639)

Function
Enhances ubiquitin ligase activity of RING-type zinc finger- containing E3 ubiquitin ligases. Proposed to act through recruitment and/or stabilization of the E2 ubiquitin-conjugating enzyme at the E3:substrate complex. MAGEF1-NSMCE1 ubiquitin ligase complex promotes proteasomal degradation of MMS19, a key component of the cytosolic iron-sulfur protein assembly (CIA) machinery. Down-regulation of MMS19 impairs the activity of several DNA repair and metabolism enzymes such as ERCC2/XPD, FANCJ, RTEL1 and POLD1 that require iron-sulfur clusters as cofactors. May negatively regulate genome integrity by inhibiting homologous recombination-mediated double-strand break DNA repair (PubMed:29225034).

Tissue Location

Ubiquitous..

MAGEF1 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

MAGEF1 Antibody (C-term) Blocking Peptide - Images

MAGEF1 Antibody (C-term) Blocking Peptide - Background

Melanoma-associated antigen (MAGE) are completely silent in normal tissues, with the exception of male germ cells, and, for some of them, placenta. These antigens ought to be strictly tumor specific, expressed in tumor cells of various histological types. Because of their specific expression on tumor cells, these antigens are of particular interest for antitumor immunotherapy. Genes of the MAGE family direct the expression of tumor antigens that are recognized on a human melanoma by autologous cytolytic T lymphocytes. Though the function of MAGE is unknown, may play a role in embryonal development and tumor transformation or aspects of tumor progression.

MAGEF1 Antibody (C-term) Blocking Peptide - References

Stone, B., et al., Gene 267(2):173-182 (2001).