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MAGEF1 antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI14878

Product Information

Application	WB
Primary Accession	Q9HAY2
Other Accession	NM_022149, NP_071432
Reactivity	Human
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	35222

Additional Information

Gene ID	64110
Alias Symbol	MGC19617
Other Names	Melanoma-associated antigen F1, MAGE-F1 antigen, MAGEF1
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-MAGEF1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	MAGEF1 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

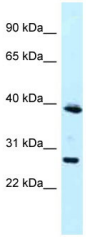
Name	MAGEF1 (HGNC:29639)
Function	Enhances ubiquitin ligase activity of RING-type zinc finger- containing E3 ubiquitin ligases. Proposed to act through recruitment and/or stabilization of the E2 ubiquitin-conjugating enzyme at the E3:substrate complex. MAGEF1-NSMCE1 ubiquitin ligase complex promotes 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..

References

Stone B.,et al.Gene 267:173-182(2001).
Muzny D.M.,et al.Nature 440:1194-1198(2006).
Chomez P.,et al.Cancer Res. 61:5544-5551(2001).
Doyle J.M.,et al.Mol. Cell 39:963-974(2010).

Images



WB Suggested Anti-MAGEF1 Antibody Titration: 1.0 µg/ml
Positive Control: Jurkat Whole Cell