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MAGEL2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6181a

Product Information

Application	WB, IHC-P, E
Primary Accession	Q9UJ55
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB2131
Calculated MW	132822
Antigen Region	499-529

Additional Information

Gene ID	54551
Other Names	MAGE-like protein 2, Necdin-like protein 1, Protein nM15, MAGEL2, NDNL1
Target/Specificity	This MAGEL2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 499-529 amino acids from the C-terminal region of human MAGEL2.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	MAGEL2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	MAGEL2
Synonyms	NDNL1
Function	Probably enhances ubiquitin ligase activity of RING-type zinc finger-containing E3 ubiquitin-protein ligases, possibly through recruitment and/or stabilization of the Ubl-conjugating enzyme (E2) at the E3:substrate

	complex. Acts as a regulator of retrograde transport via its interaction with VPS35. Recruited to retromer-containing endosomes and promotes the formation of 'Lys-63'-linked polyubiquitin chains at 'Lys-220' of WASHC1 together with TRIM27, leading to promote endosomal F-actin assembly (PubMed:23452853). Regulates the circadian clock by repressing the transcriptional activator activity of the CLOCK-BMAL1 heterodimer. Significantly promotes the cytoplasmic accumulation of CLOCK (By similarity).
Cellular Location	Early endosome. Cytoplasm {ECO:0000250|UniProtKB:Q9QZ04}. Nucleus {ECO:0000250|UniProtKB:Q9QZ04}. Note=Recruited to retromer-containing endosomes via interaction with VPS35. Colocalizes with CLOCK and BMAL1 in the cytoplasm, and with PER2 in the cytoplasm and nucleus (By similarity). {ECO:0000250|UniProtKB:Q9QZ04, ECO:0000269|PubMed:23452853}
Tissue Location	Expressed in placenta, fetal and adult brain. Not detected in heart and small intestine, very low levels in fibroblasts Not expressed in brain of a Prader-Willi patient

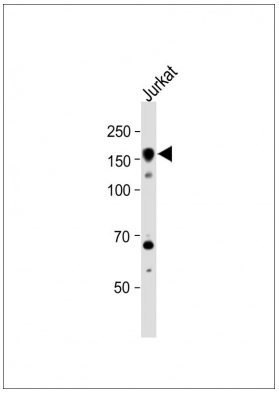
Background

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.

References

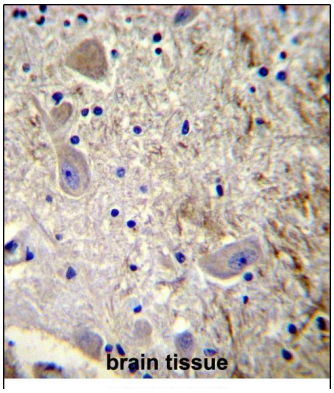
Lee, S., et al., Hum. Mol. Genet. 9(12):1813-1819 (2000).
Boccaccio, I., et al., Hum. Mol. Genet. 8(13):2497-2505 (1999).

Images



All lanes : Anti-MAGEL2 Antibody (C-term) at 1:1000 dilution + Jurkat whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size : 150kDa Blocking/Dilution buffer: 5% NFDM/TBST.

MAGEL2 Antibody (C-term) (Cat. #AP6181a)immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of MAGEL2 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



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