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MAGEL2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP6181a

Specification

MAGEL2 Antibody (C-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	O9UJ55
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit Ig
Calculated MW	132822
Antigen Region	499-529

MAGEL2 Antibody (C-term) - Additional Information

Gene ID 54551

Other Names
MAGE-like protein 2, Necdin-like protein 1, Protein nM15, MAGEL2, NDNL1

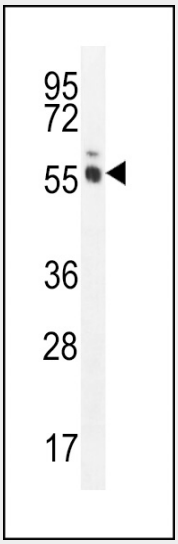
Target/Specificity
This MAGEL2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 499-529 amino acids from the C-terminal region of human MAGEL2.

Dilution
WB~~1:1000
IHC-P~~1:10~50

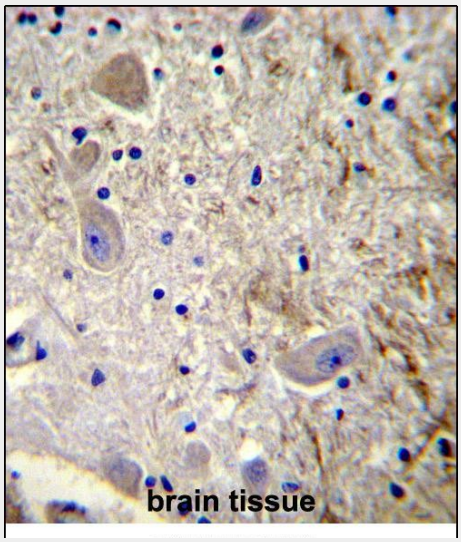
Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

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



MAGEL2 Antibody (D514) (Cat. #AP6181a) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the MAGEL2 antibody detected the MAGEL2 protein (arrow).



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

therapeutic procedures.

MAGEL2 Antibody (C-term) - 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-ARNTL/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 ARNTL/BMLA1 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

MAGEL2 Antibody (C-term) - Protocols

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

of MAGEL2 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

MAGEL2 Antibody (C-term) - 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.

MAGEL2 Antibody (C-term) - 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).

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture