

MAGEG1 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) **Catalog # AP54310**

Specification

MAGEG1 Polyclonal Antibody - Product Information

WB, IHC-P, IHC-F, IF, ICC, E Application

Primary Accession 096MG7

Reactivity Rat, Pig, Bovine

Host **Rabbit** Clonality **Polyclonal** Calculated MW 34308

MAGEG1 Polyclonal Antibody - Additional Information

Gene ID 56160

Other Names

Non-structural maintenance of chromosomes element 3 homolog, Non-SMC element 3 homolog, Hepatocellular carcinoma-associated protein 4, MAGE-G1 antigen, Melanoma-associated antigen G1, Necdin-like protein 2, NSMCE3 (HGNC:7677), HCA4, MAGEG1, NDNL2

Dilution

WB~~1:1000/span >
f \><span class</pre> ="dilution IHC-P">IHC-P~~N/A<br \><span class

="dilution_IHC-F">IHC-F~~N/A<br \><span class

="dilution IF">IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

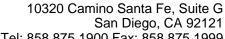
MAGEG1 Polyclonal Antibody - Protein Information

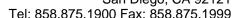
Name NSMCE3 (HGNC:7677)

Synonyms HCA4, MAGEG1, NDNL2

Function

Component of the SMC5-SMC6 complex, a complex involved in repair of DNA double-strand breaks by homologous recombination (PubMed: 20864041, PubMed:<a href="http://www.uniprot.org/citations/27427983"







target=" blank">27427983). The complex may promote sister chromatid homologous recombination by recruiting the SMC1-SMC3 cohesin complex to double-strand breaks. The complex is required for telomere maintenance via recombination in ALT (alternative lengthening of telomeres) cell lines and mediates sumoylation of shelterin complex (telosome) components which is proposed to lead to shelterin complex disassembly in ALT-associated PML bodies (APBs). In vitro enhances ubiquitin ligase activity of NSMCE1. Proposed to act through recruitment and/or stabilization of the Ubl-conjugating enzyme (E2) at the E3:substrate complex (PubMed:20864041). May be a growth suppressor that facilitates the entry of the cell into cell cycle arrest (By similarity).

Cellular Location Cytoplasm. Nucleus. Chromosome, telomere

Tissue Location Ubiquitous...

MAGEG1 Polyclonal Antibody - Protocols

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

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

MAGEG1 Polyclonal Antibody - Images