

**MAGEG1 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP54310****Specification****MAGEG1 Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	<a href="#">Q96MG7</a>
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](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=7677)), HCA4, MAGEG1, NDNL2

**Dilution**

**<span class = "dilution\_WB">WB~~1:1000</span><br \><span class = "dilution\_IHC-P">IHC-P~~N/A</span><br \><span class = "dilution\_IHC-F">IHC-F~~N/A</span><br \><span class = "dilution\_IF">IF~~1:50~200</span><br \><span class = "dilution\_ICC">ICC~~N/A</span><br \><span class = "dilution\_E">E~~N/A</span>**

**Format**

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

**Storage**

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](http://www.uniprot.org/citations/20864041)), PubMed:[27427983](http://www.uniprot.org/citations/27427983))

target="\_blank">27427983</a>). 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:<a href="http://www.uniprot.org/citations/20864041" target="\_blank">20864041</a>). 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 Cytometry](#)
- [Cell Culture](#)

**MAGEG1 Polyclonal Antibody - Images**