

MAGEG1 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP54310

Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q96MG7
Reactivity	Rat, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	34308

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=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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.

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: 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..

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.