

Rabbit MAGG1 Polyclonal Antibody | anti-MAGG1 antibody

MAGG1 Antibody

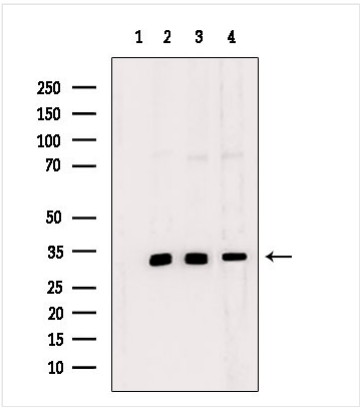
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322704	Rabbit	Human, Mouse, Rat	ELISA, Western Blot

PRODUCT SYNONYMS

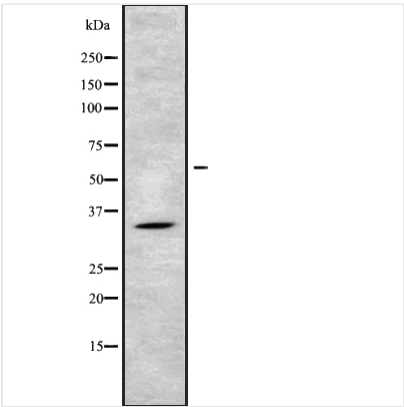
MAGG1; Polyclonal Antibody; MAGG1 Antibody; HCA4; hepatocellular carcinoma-associated protein 4; hepatocellular carcinoma-associated protein HCA4; MAGE-G1 antigen; MAGEG1; MAGEL3; melanoma antigen; family G; 1; melanoma-associated antigen G1; necdin-like 2; necdin-like gene 2; necdin-like protein 2; NSE3; NSMCE3; anti-MAGG1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MAGG1 antibody detects endogenous levels of total MAGG1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	304
Applicable Applications for anti-MAGG1 antibody	ELISA, WB (Western Blot)
Immunogen	A synthesized peptide derived from human MAGG1
Subcellular Location	Cytoplasmic and Nuclear
Tissue Specificity	Ubiquitous.
Predicted Cross Reactivity	Bovine, Horse, Rabbit
Similarity	Bovine (91%), Horse (91%), Rabbit (82%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)
Western blot analysis of extracts from various samples, using MAGG1 Antibody. Lane 1: mouse brain treated with blocking peptide. Lane 2: mouse brain; Lane 3: rat brain; Lane 4: Hepg2;



WB (Western Blot)
Western blot analysis of MAGG1 using 293 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-MAGG1 antibody	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). Subunit Structure: Component of the SMC5-SMC6 complex which consists at least of SMC5, SMC6, NSMCE2, NSMCE1, NSMCE4A or EID3 and NSMCE3. NSMCE1, NSMCE4A or EID3 and NSMCE3 probably form a subcomplex that bridges the head domains of the SMC5:SMC6 heterodimer (PubMed:18086888). Interacts with PJA1 (PubMed:20864041). Interacts with E2F1 (via C-terminus) (By similarity). Interacts with NGFR (via C-terminus) (By similarity). Interacts with NSMCE1 (PubMed:18086888, PubMed:21364888, PubMed:20864041, PubMed:27427983). Interacts with NSMCE4 (PubMed:20864041, PubMed:27427983). Interacts with SMC6 (PubMed:18086888). Interacts with EID3 (PubMed:21364888).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	20162572
NCBI GeneID	56160
NCBI Accession #	NP_619649.1
NCBI GenBank Nucleotide #	NM_138704.3
UniProt Accession #	Q96MG7; Q8IW16; Q8TEI6; Q9H214
Molecular Weight	Observed: 34 kDa Predicted: 35 kDa
NCBI Official Full Name	non-structural maintenance of chromosomes element 3 homolog
NCBI Official Synonym Full Names	NSE3 homolog, SMC5-SMC6 complex component
NCBI Official Symbol	NSMCE3
NCBI Official Synonym Symbols	HCA4; LICS; NSE3; NDNL2; MAGEG1; MAGEL3
NCBI Protein Information	non-structural maintenance of chromosomes element 3 homolog

UniProt Protein Name	Non-structural maintenance of chromosomes element 3 homolog
UniProt Gene Name	NSMCE3
UniProt Synonym Gene Names	Non-SMC element 3 homolog

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/magg1-antibody-western-blot-elisa/322704>