

Rabbit anti-Human MAGEC3 Polyclonal Antibody | anti-MAGEC3 antibody

Anti-MAGEC3 Antibody Picoband

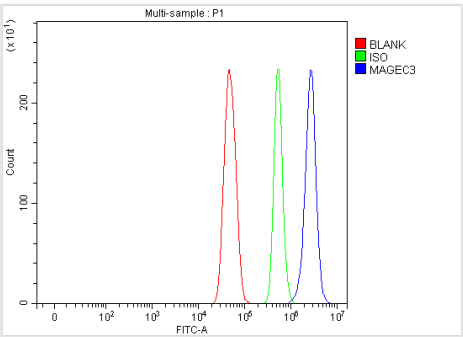
CATALOG # AAA127889	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Flow Cytometry, Functional Assay, Western Blot
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PRODUCT SYNONYMS

MAGEC3; Polyclonal Antibody; Anti-MAGEC3 Antibody Picoband; Transmembrane protein 240; kelch repeat and BTB domain containing 2; Kelch repeat and BTB domain-containing protein 2; BTB and kelch domain-containing protein 1; KBTBD2; BKLHD1; KIAA1489; anti-MAGEC3 antibody

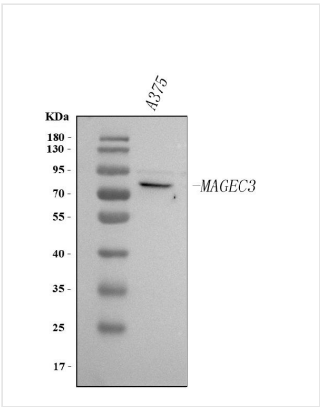
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Detected in liver, skeletal muscle, kidney, pancreas, spleen, thyroid, testis, ovary, small intestine and colon.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-MAGEC3 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human MAGEC3 recombinant protein (Position: M1-E534).
Subcellular Localization	Cul3-RING ubiquitin ligase complex
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins.
Protein Function	Required for DNA double-strand breaks (DSBs) formation in unsynapsed regions during meiotic recombination. Probably acts by forming a complex with MEI4 and REC114, which activates DSBs formation in unsynapsed regions, an essential step to ensure completion of synapsis. Not required for HORMAD1 functions in pairing-independent synaptonemal complex formation, ATR recruitment to unsynapsed axes, meiotic silencing of unsynapsed chromatin (MSUC) or meiotic surveillance.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of U251 cells using anti-MAGEC3 antibody (AAA127889). Overlay histogram showing U251 cells stained with AAA127889 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-MAGEC3 Antibody (AAA127889, 1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)

Figure 1. Western blot analysis of MAGEC3 using anti-MAGEC3 antibody (AAA127889). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human A375 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-MAGEC3 antigen affinity purified polyclonal antibody (#AAA127889) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for MAGEC3 at approximately 72 kDa. The expected band size for MAGEC3 is at 72 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-MAGEC3 antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-MAGEC3 antibody	Primary Antibodies; Cell Biology
References	1. Lucas, S., De Plaen, E., Boon, T. MAGE-B5, MAGE-B6, MAGE-C2, and MAGE-C3: four new members of the MAGE family with tumor-specific expression. Int. J. Cancer 87: 55-60, 2000. 2. Ross, M. T., Grafham, D. V., Coffey, A. J., Scherer, S., McLay, K., Muzny, D., Platzer, M., Howell, G. R., Burrows, C., Bird, C. P., Frankish, A., Lovell, F. L., and 270 others. The DNA sequence of the human X chromosome. Nature 434: 325-337, 2005.

NCBI AND UNIPROT INFORMATION

NCBI GI #	20162568
NCBI GeneID	139081
NCBI Accession #	NP_619647.1
NCBI GenBank Nucleotide #	NM_138702.1
UniProt Accession #	Q8TD91; Q3SYA7; Q5JZ43; Q9BZ80
Molecular Weight	71,909 Da
NCBI Official Full Name	melanoma-associated antigen C3 isoform 1
NCBI Official Synonym Full Names	melanoma antigen family C, 3
NCBI Official Symbol	MAGEC3
NCBI Official Synonym Symbols	HCA2; CT7.2; MAGEC4; MAGE-C3

NCBI Protein Information	melanoma-associated antigen C3; MAGE-C3 antigen; cancer/testis antigen 7.2; cancer/testis antigen family 7, member 2; MAGE family testis and tumor-specific protein; hepatocellular carcinoma-associated antigen 2; hepatocellular carcinoma-associated protein
UniProt Protein Name	Melanoma-associated antigen C3
UniProt Gene Name	MAGEC3
UniProt Synonym Gene Names	HCA2; CT7.2
UniProt Entry Name	MAGC3_HUMAN

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/magec3-antibody-flow-cytometry-western-blot-elisa/127889>