

Rabbit MAGI2 Polyclonal Antibody | anti-MAGI2 antibody

Anti-MAGI2 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127237	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

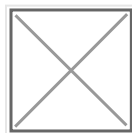
PRODUCT SYNONYMS

MAGI2; Polyclonal Antibody; Anti-MAGI2 Antibody Picoband; anti-MAGI2 antibody

PRODUCT SPECIFICATIONS

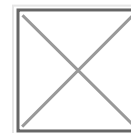
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-MAGI2 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human MAGI2 recombinant protein (Position: Q40-P1140). Human MAGI2 shares 97.5% and 96.8% amino acid (aa) sequence identity with mouse and rat MAGI2, respectively.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
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.

IMAGES



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of SH-SY5Y cells using anti-MAGI2 antibody (AAA127237).Overlay histogram showing SH-SY5Y cells stained with AAA127237 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-MAGI2 Antibody (AAA127237, 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 without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



WB (Western Blot)

Figure 1. Western blot analysis of MAGI2 using anti-MAGI2 antibody (AAA127237).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: rat brain tissue lysates,Lane 2: mouse brain tissue 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-MAGI2 antigen affinity purified polyclonal antibody (#AAA127237) 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 MAGI2 at approximately 140 kDa. The expected band size for MAGI2 is at 159 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-MAGI2 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.
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Product Categories/Family for anti-MAGI2 antibody	Primary Antibodies
References	1. Balbas, M. D., Burgess, M. R., Murali, R., Wongvipat, J., Skaggs, B. J., Mundel, P., Weins, A., Sawyers, C. L. MAFI-2 scaffold protein is critical for kidney barrier function. <i>Proc. Nat. Acad. Sci.</i> 111: 14876-14881, 2014.2. Bauss, K., Knapp, B., Jores, P., Roepman, R., Kremer, H., v. Wijk, E., Marker, T., Wolfrum, U. Phosphorylation of the Usher syndrome 1G protein SANS controls Magi2-mediated endocytosis. <i>Hum. Molec. Genet.</i> 23: 3923-3942, 2014.3. Bierzynska, A., Soderquest, K., Dean, P., Colby, E., Rollason, R., Jones, C., Inward, C. D., McCarthy, H. J., Simpson, M. A., Lord, G. M., Williams, M., Welsh, G. I., Koziell, A. B., Saleem, M. A., NephrosS, the UK study of Nephrotic Syndrome. MAGI2 mutations cause congenital nephrotic syndrome. <i>J. Am. Soc. Nephrol.</i> 28: 1614-1621, 2017.

NCBI AND UNIPROT INFORMATION

NCBI GI #	27436957
NCBI GeneID	9863
NCBI Accession #	NP_036433.2
NCBI GenBank Nucleotide #	NM_012301.3
UniProt Accession #	Q86UL8 ; O60434 ; O60510 ; Q86UI7 ; Q9NP44 ; Q9UDQ5 ; Q9UDU1 ; A4D1C1 ; A7E2C3
Molecular Weight	158,754 Da
NCBI Official Full Name	membrane-associated guanylate kinase, WW and PDZ domain-containing protein 2
NCBI Official Synonym Full Names	membrane associated guanylate kinase, WW and PDZ domain containing 2
NCBI Official Symbol	MAGI2
NCBI Official Synonym Symbols	AIP1; AIP-1; ARIP1; SSCAM; MAGI-2; ACVRIP1
NCBI Protein Information	membrane-associated guanylate kinase, WW and PDZ domain-containing protein 2; atrophin-1-interacting protein 1; atrophin-1-interacting protein A; activin receptor interacting protein 1; membrane-associated guanylate kinase inverted 2
UniProt Protein Name	Membrane-associated guanylate kinase, WW and PDZ domain-containing protein 2
UniProt Gene Name	MAGI2
UniProt Synonym Gene Names	ACVRINP1; AIP1; KIAA0705; AIP-1; MAGI-2
UniProt Entry Name	MAGI2_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/magi2-antibody-flow-cytometry-western-blot-elisa/127237>