

Rabbit REM2 Polyclonal Antibody | anti-REM2 antibody

Anti-REM2 Antibody Picoband

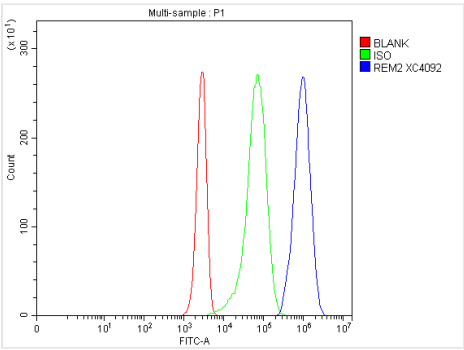
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA128240	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

REM2; Polyclonal Antibody; Anti-REM2 Antibody Picoband; GTP-binding protein REM 2; RRAD and GEM like GTPase 2; Rad and Gem-like GTP-binding protein 2; anti-REM2 antibody

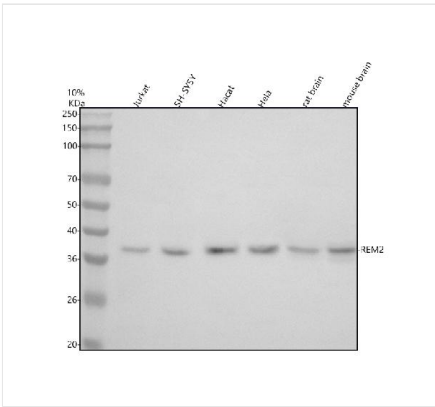
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
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-REM2 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human REM2 recombinant protein (Position: R65-E257). Human REM2 shares 94.8% and 95.9% amino acid (aa) sequence identity with mouse and rat REM2, respectively.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Cross Reactivity	No cross-reactivity with other proteins
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 Jurkat cells using anti-REM2 antibody (AAA128240).Overlay histogram showing Jurkat cells stained with AAA128240 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-REM2 Antibody (AAA128240, 1ug/1x106 cells) for 30 min at 20 degree C. DyLight®488 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 REM2 using anti-REM2 antibody (AAA128240).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 Jurkat whole cell lysates,Lane 2: human SH-SY5Y whole cell lysates,Lane 3: human Hacat whole cell lysates,Lane 4: human Hela whole cell lysates,Lane 5: rat brain tissue lysates,Lane 6: 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-REM2 antigen affinity purified polyclonal antibody (AAA128240) 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 REM2 at approximately 37 kDa. The expected band size for REM2 is at 37 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-REM2 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-REM2 antibody	Primary Antibodies
References	1. Bierings, R., Beato, M., Edel, M. J. An endothelial cell genetic screen identifies the GTPase Rem2 as a suppressor of p19(ARF) expression that promotes endothelial cell proliferation and angiogenesis. J. Biol. Chem. 283: 4408-4416, 2008.2. Edel, M. J., Menchon, C., Menendez, S., Consiglio, A., Raya, A., Belmonte, J. C. I. Rem2 GTPase maintains survival of human embryonic stem cells as well as enhancing reprogramming by regulating p53 and cyclin D1. Genes Dev. 24: 561-573, 2010.3. Finlin, B. S., Shao, H., Kadono-Okuda, K., Guo, N., Andres, D. A. Rem2, a new member of the Rem/Rad/Gem/Kir family of Ras-related GTPases. Biochem. J. 347: 223-231, 2000.

NCBI AND UNIPROT INFORMATION

NCBI GI #	124248562
NCBI GeneID	161253
NCBI Accession #	NP_775798.2
NCBI GenBank Nucleotide #	NM_173527.2
UniProt Accession #	Q8IYK8; Q8N8R8
Molecular Weight	37,139 Da
NCBI Official Full Name	GTP-binding protein REM 2
NCBI Official Synonym Full Names	RAS (RAD and GEM)-like GTP binding 2

NCBI Official Symbol	REM2
NCBI Protein Information	GTP-binding protein REM 2; Rad and Gem-related 2 (rat homolog); rad and Gem-like GTP-binding protein 2
UniProt Protein Name	GTP-binding protein REM 2
UniProt Gene Name	REM2
UniProt Entry Name	REM2_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/rem2-antibody-flow-cytometry-western-blot-elisa/128240>