

Datasheet for ABIN7602227  
**anti-REM2 antibody (AA 65-257)**



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## Overview

Quantity:	100 µg
Target:	REM2
Binding Specificity:	AA 65-257
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This REM2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

## Product Details

Purpose:	Anti-REM2 Antibody Picoband®
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.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-REM2 Antibody Picoband® catalog # A11219-2. Tested in WB, Flow Cytometry, ELISA applications. This antibody reacts with Human, Mouse, Rat. 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.
Purification:	Immunogen affinity purified.

## Target Details

Target:	REM2
Alternative Name:	REM2 ( <a href="#">REM2 Products</a> )
Background:	Synonyms: REM2, GTP-binding protein REM 2, Rad and Gem-like GTP-binding protein 2 Background: Predicted to enable GTP binding activity and calcium channel regulator activity. Predicted to be involved in negative regulation of high voltage-gated calcium channel activity. Predicted to be active in plasma membrane.
Molecular Weight:	37 kDa
Gene ID:	161253

## Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat Flow Cytometry (Fixed), 1-3 µg/1x10 <sup>6</sup> cells, Human ELISA, 0.1-0.5 µg/mL 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.
Restrictions:	For Research Use only

## Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C, -20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and

thawing.