

Datasheet for ABIN7602410  
**anti-RGS12 antibody (AA 746-995)**



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## Overview

Quantity:	100 µg
Target:	RGS12
Binding Specificity:	AA 746-995
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RGS12 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Immunofluorescence (IF), Immunohistochemistry (IHC)

## Product Details

Purpose:	Anti-RGS12 Antibody Picoband®
Immunogen:	E.coli-derived human RGS12 recombinant protein (Position: Q746-H995).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-RGS12 Antibody Picoband® (ABIN7602410). Tested in ELISA, IF, IHC, ICC, WB applications. This antibody reacts with Human, 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:	RGS12
Alternative Name:	RGS12 ( <a href="#">RGS12 Products</a> )
Background:	<p>Synonyms: Mesoderm posterior protein 1, Class C basic helix-loop-helix protein 5, bHLHc5, MESP1, BHLHC5</p> <p>Tissue Specificity: Highly expressed in brain and weakly in heart, small intestine and uterus. Isoform 1A is mostly expressed in granular cell and molecular layer. Isoform 1B is mostly expressed in Purkinje cells. Isoform 1E is predominantly expressed in peripheral tissues as kidney, lung, trachea, colon, small intestine, stomach, bone marrow, thymus and mammary gland. .</p> <p>Background: Regulator of G-protein signaling 12 is a protein that in humans is encoded by the RGS12 gene. This gene encodes a member of the 'regulator of G protein signaling' (RGS) gene family. The encoded protein may function as a guanosine triphosphatase (GTPase)-activating protein as well as a transcriptional repressor. This protein may play a role in tumorigenesis. Multiple transcript variants encoding distinct isoforms have been identified for this gene. Other alternative splice variants have been described but their biological nature has not been determined.</p>
Molecular Weight:	156 kDa
Gene ID:	6002
UniProt:	<a href="#">O14924</a>
Pathways:	<a href="#">Regulation of G-Protein Coupled Receptor Protein Signaling</a>

## Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human</p> <p>Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human, Rat</p> <p>Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. De Vries, L., Farquhar, M. G. RGS proteins: more than just GAPs for heterotrimeric G proteins. Trends Cell Biol. 9: 138-144, 1999. 2. Schiff, M. L., Siderovski, D. P., Jordan, J. D., Brothers, G., Snow, B., De Vries, L., Ortiz, D. F., Diverse-Pierluissi, M. Tyrosine-kinase-dependent recruitment of RGS12 to the N-type calcium channel. Nature 408: 723-727, 2000. 3. Sierra, D. A., Gilbert, D. J., Householder, D., Grishin, N. V., Yu, K., Ukidwe, P., Barker, S. A., He, W., Wensel, T. G., Otero, G., Brown, G., Copeland, N. G., Jenkins, N. A., Wilkie, T. M. Evolution of the regulators of G-protein signaling multigene family in mouse and human. Genomics 79: 177-185, 2002.</p>
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Application Details

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.