

Datasheet for ABIN562644
anti-RGS2 antibody (AA 111-211)



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Overview

Quantity:	100 µg
Target:	RGS2
Binding Specificity:	AA 111-211
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This RGS2 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Mouse monoclonal antibody raised against a partial recombinant RGS2.
Immunogen:	RGS2 (AAH07049, 111 a.a. ~ 211 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	EFWLACEDFK KTKSPQKLSS KARKIYTDFI EKEAPKEINI DFQTKTLIAQ NIQEATSGCF TTAQKRVYSL MENNSYPRFL ESEFYQDLCK KPQITTEPHA T
Clone:	4C4
Isotype:	IgG2a
Cross-Reactivity:	Human
Characteristics:	Antibody Reactive Against Recombinant Protein.

Target Details

Target:	RGS2
Alternative Name:	RGS2 (RGS2 Products)
Background:	Full Gene Name: regulator of G-protein signaling 2, 24 kDa Synonyms: G0S8
Gene ID:	5997
Pathways:	Myometrial Relaxation and Contraction , Regulation of G-Protein Coupled Receptor Protein Signaling , Brown Fat Cell Differentiation

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

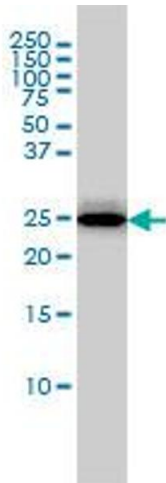
Handling

Buffer:	In 1x PBS, pH 7.4
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Publications

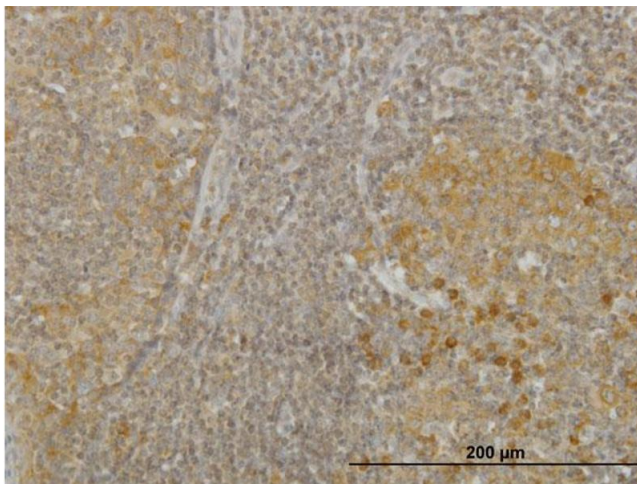
Product cited in:	<p>Puard, Tranchant, Cadoret, Gauthier, Reiter, Guerif, Royere: "Semi-quantitative measurement of specific proteins in human cumulus cells using reverse phase protein array." in: Reproductive biology and endocrinology : RB&E, Vol. 11, pp. 100, (2014) (PubMed).</p> <p>Park, Lyu, Kim, Chin, Bae, Baek: "Role of JAK2-STAT3 in TLR2-mediated tissue factor expression." in: Journal of cellular biochemistry, Vol. 114, Issue 6, pp. 1315-21, (2013) (PubMed).</p> <p>Lee, Park, Bae, Kim, Shin, Park, Lee, Lee, Bae, Baek: "RGS2 is a negative regulator of STAT3-mediated Nox1 expression." in: Cellular signalling, Vol. 24, Issue 3, pp. 803-9, (2012) (PubMed).</p> <p>Hoemme, Peerzada, Behre, Wang, McClelland, Nieselt, Zschunke, Disselhoff, Agrawal, Isken, Tidow, Berdel, Serve, Müller-Tidow: "Chromatin modifications induced by PML-RARalpha</p>
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repress critical targets in leukemogenesis as analyzed by ChIP-Chip." in: **Blood**, Vol. 111, Issue 5 , pp. 2887-95, (2008) ([PubMed](#)).



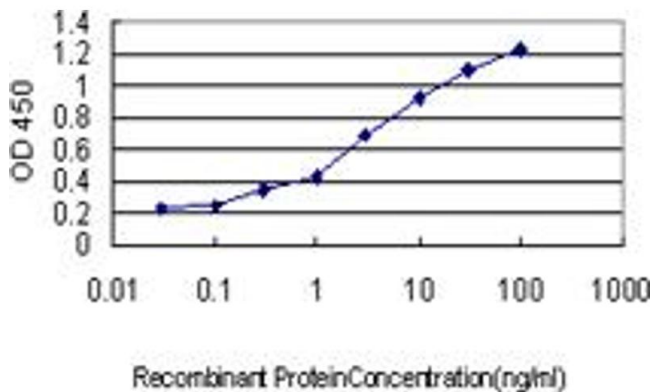
Western Blotting

Image 1. RGS2 monoclonal antibody (M01), clone 4C4 Western Blot analysis of RGS2 expression in MCF-7 .



Immunostaining

Image 2. Immunoperoxidase of monoclonal antibody to RGS2 on formalin-fixed paraffin-embedded human tonsil. [antibody concentration 3 ug/ml]



ELISA

Image 3. Detection limit for recombinant GST tagged RGS2 is approximately 0.1 ng/ml as a capture antibody.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN562644.