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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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RGS2 monoclonal antibody (M01), clone 4C4

Catalog # : H00005997-M01

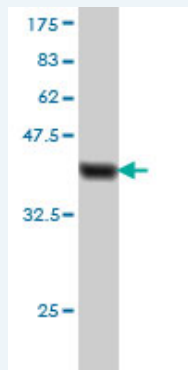
規格 : [100 ug]

[List All](#)

Specification

Product Description:	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:	EFWLACEDFKKTKSPQKLSSKARKIYTDIEKEAPKEINIDFQTKTLIAQNI QEATSGCFTTAQRVYSLMENNSYPRFLESEFYQDLCKKPKQITTEPHAT
Host:	Mouse
Reactivity:	Human
Isotype:	IgG2a Kappa

Quality Control Testing: Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (36.74 KDa) .

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

MSDS: [Download](#)

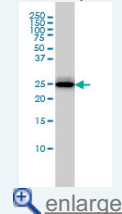
Datasheet: [Download](#)

Publication Reference

- [Semi-quantitative measurement of specific proteins in human cumulus cells using reverse phase protein array.](#)
Puard V, Tranchant T, Cadoret V, Gauthier C, Reiter E, Guerif F, Royere D. *Reprod Biol Endocrinol.* 2013 Oct 22;11(1):100.
- [Role of JAK2-STAT3 in TLR2-mediated tissue factor expression.](#)
Park DW, Lyu JH, Kim JS, Chin H, Bae YS, Baek SH. *J Cell Biochem.* 2012 Dec 13. doi: 10.1002/jcb.24472.
- [RGS2 is a negative regulator of STAT3-mediated Nox1 expression.](#)
Lee HK, Park DW, Bae JH, Kim HJ, Shin DG, Park JS, Lee JG, Lee SJ, Bae YS, Baek SH. *Cell Signal.* 2011 Nov 18.

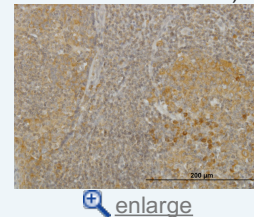
Application Image

Western Blot (Cell lysate)

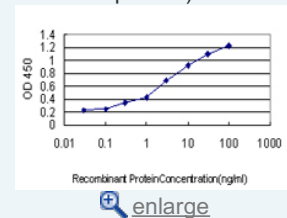


Western Blot (Recombinant protein)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)



Sandwich ELISA (Recombinant protein)



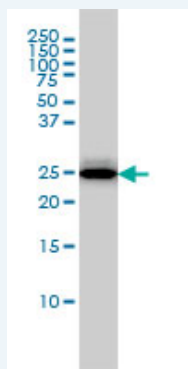
ELISA

4. Chromatin modifications induced by PML-RAR{alpha} repress critical targets in leukemogenesis as analyzed by ChIP-Chip.

Hoemme C, Peerzada A, Behre G, Wang Y, McClelland M, Nieselt K, Zschunke M, Disselhoff C, Agrawal S, Isken F, Tidow N, Berdel WE, Serve H, Muller-Tidow C. Blood. 2008 Mar 1;111(5):2887-95. Epub 2007 Nov 16.

Applications

Western Blot (Cell lysate)



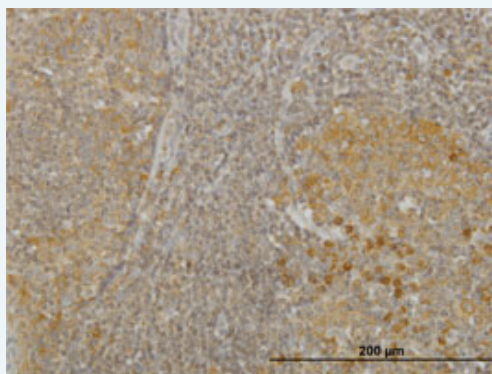
RGS2 monoclonal antibody (M01), clone 4C4 Western Blot analysis of RGS2 expression in MCF-7 (Cat # L046V1).


 [Protocol Download](#)

Western Blot (Recombinant protein)

 [Protocol Download](#)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

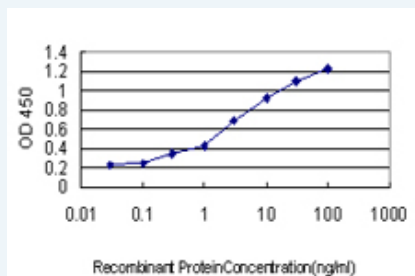


 [enlarge this image](#)

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

 [Protocol Download](#)

Sandwich ELISA (Recombinant protein)



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

 [Protocol Download](#)

ELISA

Gene Information

Entrez GeneID: [5997](#)

**GeneBank
Accession#:** [BC007049](#)

**Protein
Accession#:** [AAH07049](#)

Gene Name: RGS2

Gene Alias: G0S8

**Gene
Description:** regulator of G-protein signaling 2, 24kDa

Omim ID: [600861](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: Regulator of G protein signaling (RGS) family members are regulatory molecules that act as GTPase activating proteins (GAPs) for G alpha subunits of heterotrimeric G proteins. RGS proteins are able to deactivate G protein subunits of the Gi alpha, Go alpha and Gq alpha subtypes. They drive G proteins into their inactive GDP-bound forms. Regulator of G protein signaling 2 belongs to this family. The protein acts as a mediator of myeloid differentiation and may play a role in leukemogenesis. [provided by RefSeq]

**Other
Designations:** G0 to G1 switch regulatory 8, 24kD,OTTHUMP00000033592,OTTHUMP00000060765,cell growth-inhibiting protein 31,regulator of G-protein signalling 2, 24kD,regulator of G-protein signalling 2, 24kDa

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[Hypertension](#)

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