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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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RNF2 monoclonal antibody (M01), clone 6C2

Catalog # : H00006045-M01

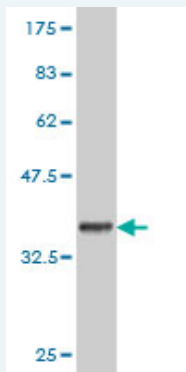
規格 : [100 ug]

List All

Specification

Product Description:	Mouse monoclonal antibody raised against a partial recombinant RNF2.
Immunogen:	RNF2 (NP_009143, 192 a.a. ~ 290 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	PSNKRKTSDDSGLELDNNAAMAIDPVMGASEIELVFRPHPTLMKDD SAQTRYIKTSGNATVDHLSKYLAVRLALEELRSKGESNQMNLDTASEKQ
Host:	Mouse
Reactivity:	Human, Mouse
Isotype:	IgG2a Kappa

Quality Control Testing: Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (36.63 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](#)

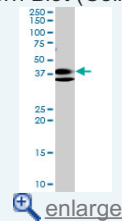
Datasheet: [Download](#)

Publication Reference

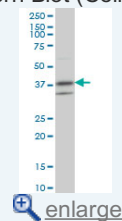
- [Scmh1 Has E3 Ubiquitin Ligase Activity for Geminin and Histone H2A and Regulates Geminin Stability Directly or Indirectly via Transcriptional Repression of Hoxa9 and Hoxb4.](#)
Yasunaga S, Ohtsubo M, Ohno Y, Saeki K, Kurogi T, Tanaka-Okamoto M, Ishizaki H, Shirai M, Mihara K, Brock HW, Miyoshi J, Takihara Y. Mol Cell Biol. 2013 Feb;33(4):644-60. doi: 10.1128/MCB.00974-12.
- [Inaugural Article: Distinct histone modifications in stem cell lines and tissue lineages from the early mouse embryo.](#)
Rugg-Gunn PJ, Cox BJ, Ralston A, Rossant J. Proc Natl Acad Sci U S A. 2010 May 17. [Epub ahead of print]

Application Image

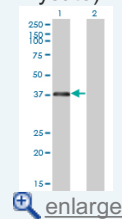
Western Blot (Cell lysate)



Western Blot (Cell lysate)

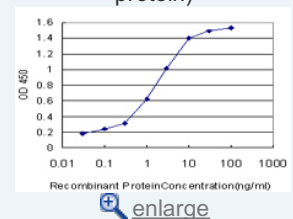


Western Blot (Transfected lysate)



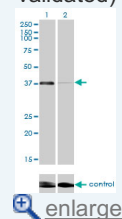
Western Blot (Recombinant protein)

Sandwich ELISA (Recombinant protein)



ELISA

RNAi Knockdown (Antibody validated)

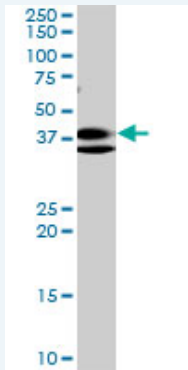


3. Polycomb-group complex 1 acts as an E3 ubiquitin ligase for Geminin to sustain hematopoietic stem cell activity.


Ohtsubo M, Yasunaga S, Ohno Y, Tsumura M, Okada S, Ishikawa N, Shirao K, Kikuchi A, Nishitani H, Kobayashi M, Takihara Y. Proc Natl Acad Sci U S A. 2008 Jul 29;105(30):10396-401. Epub 2008 Jul 23.

Applications

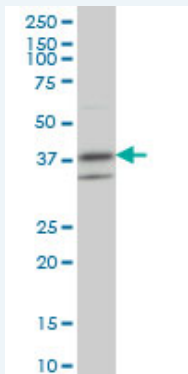
Western Blot (Cell lysate)




RNF2 monoclonal antibody (M01), clone 6C2. Western Blot analysis of RNF2 expression in Raw 264.7 (Cat # L024V1).

 [Protocol Download](#)

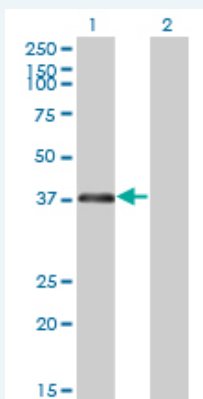
Western Blot (Cell lysate)



RNF2 monoclonal antibody (M01), clone 6C2 Western Blot analysis of RNF2 expression in NIH/3T3 (Cat # L018V1).

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Western Blot (Transfected lysate)




Western Blot analysis of RNF2 expression in transfected 293T cell line by RNF2 monoclonal antibody (M01), clone 6C2.

Lane 1: RNF2 transfected lysate(37.7 KDa).

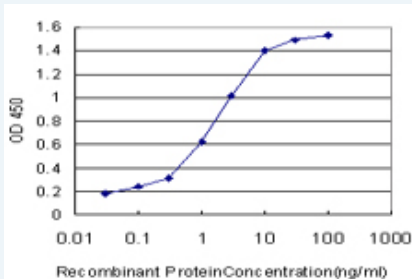
Lane 2: Non-transfected lysate.

 [Protocol Download](#)

Western Blot (Recombinant protein)

 [Protocol Download](#)

Sandwich ELISA (Recombinant protein)

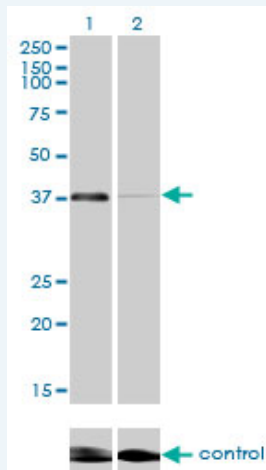


Detection limit for recombinant GST tagged RNF2 is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

ELISA

RNAi Knockdown (Antibody validated)



Western blot analysis of RNF2 over-expressed 293 cell line, cotransfected with RNF2 Validated Chimera RNAi (Cat # H00006045-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with RNF2 monoclonal antibody (M01), clone 6C2 (Cat # H00006045-M01). GAPDH (36.1 kDa) used as specificity and loading control.

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Gene Information

Entrez GeneID: [6045](#)

GeneBank [NM_007212](#)

Accession#:

Protein [NP_009143](#)

Accession#:

Gene Name: RNF2

Gene Alias: BAP-1,BAP1,DING,HIPI3,RING1B,RING2

Gene ring finger protein 2

Description:

Omim ID: [608985](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: Polycomb group (PcG) of proteins form the multiprotein complexes that are important for the transcription repression of various genes involved in development and cell proliferation. The protein encoded by this gene is one of the PcG proteins. It has been shown to interact with, and suppress the activity of, transcription factor CP2 (TFCP2/CP2). Studies of the mouse counterpart suggested the involvement of this gene in the specification of anterior-posterior axis, as well as in cell proliferation in

early development. This protein was also found to interact with huntingtin interacting protein 2 (HIP2), an ubiquitin-conjugating enzyme, and possess ubiquitin ligase activity. [provided by RefSeq

Other Designations: OTTHUMP00000033405,OTTHUMP00000060668

Related Disease

Carcinoma, Squamous Cell Genetic Predisposition to Disease Head and Neck Neoplasms
Neoplasms, Second Primary Recurrence

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