

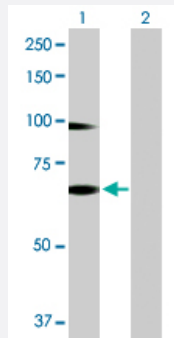
MaxPab®

RNF12 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00051132-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of RNF12 expression in transfected 293T cell line ([H00051132-T01](#)) by RNF12 MaxPab polyclonal antibody.

Lane 1: RNF12 transfected lysate(68.64 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human RNF12 protein.
Immunogen	RNF12 (NP_057204.2, 1 a.a. ~ 624 a.a) full-length human protein.
Sequence	MENSDSNDKGSQDQSAQRRSQMDRLDREEAFYQFVNNLSEEDYRLMRDNNLLGTPGESTEE ELLRRLQQIKEGPPPQNSDENRGGDSSDDVSNQDSIIDWLNSVRQTGNTTTRSGQQRGNQSWRAV SRTNPNSGDFRFSLEINVNRNNGSQNSENEPEPSARRSSGENVENNSQRQVENPRSESTSARP SRSERNSTEALTEVPPTRGQRRARSRSRSPDHRRTARAERSRSLPHMSEIPRRSHHSISSQTFEH PLVNETEGSSRTRHHVTLRQQISGPELLSRGLFAASGTRNASQGAGSSDTAASGESTGSGQRP TIVLDLQVRRVRPGEYRQRDSIASRTRSRSQTPNNTVTYESERGGFRRTFSRSEAGVRTYVSTIRI PIRRILNTGLSETTSVAIQTMLRQIMTGFGELS YFMYSDDSEPTGSVSNRNMERAESRSGRGGSG GGSSSGSS RHRAPVTFDESGSLPFLSLAQFFLLNEDDDDQPRGLTKEQIDNLAMRSFGENDALKTCSVCITEY TEGNKLRKLPCSHHEYHVCIDRWLSENSTCPICRAVLASGNRESV
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (85); Rat (86)

Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

Gene Info — RNF12

Entrez GeneID	51132
GeneBank Accession#	NM_016120.2
Protein Accession#	NP_057204.2
Gene Name	RNF12
Gene Alias	MGC15161, NY-REN-43, RLIM
Gene Description	ring finger protein 12
Omim ID	300379
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a RING-H2 zinc finger protein. It has been shown to be an E3 ubiquitin protein ligase that targets LIM domain binding 1 (LDB1/CLIM), and causes proteasome-dependent degradation of LDB1. This protein and LDB1 are co-repressors of LHX1/LIM-1, a homeodomain transcription factor. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq]
Other Designations	LIM domain interacting ring finger protein OTTHUMP00000023574 OTTHUMP00000023575 ring zinc finger LIM domain binding protein ring zinc finger protein NY-REN-43antigen

Publication Reference

- [REX1 is the critical target of RNF12 in imprinted X chromosome inactivation in mice.](#)

Gontan C, Mira-Bontenbal H, Magaraki A, Dupont C, Barakat TS, Rentmeester E, Demmers J, Gribnau J.

Nature Communications 2018 Nov; 9(1):4752.

Application: IF, WB-Ce, Mouse, ESCs, Blastocysts

- [Pathogenic variants in E3 ubiquitin ligase RLIM/RNF12 lead to a syndromic X-linked intellectual disability and behavior disorder.](#)

Frints SGM, Ozanturk A, Rodríguez Criado G, Grasshoff U, de Hoon B, Field M, Manouvrier-Hanu S, E Hickey S, Kammoun M, Gripp KW, Bauer C, Schroeder C, Toutain A, Mihalic Mosher T, Kelly BJ, White P, Dufke A, Rentmeester E, Moon S, Koboldt DC, van Roozendaal KEP, Hu H, Haas SA, Ropers HH, Murray L, Haan E, Shaw M, Carroll R, Friend K, Liebelt J, Hobson L, De Rademaeker M, Geraedts J, Fryns JP, Vermeesch J, Raynaud M, Riess O, Gribnau J, Katsanis N, Devriendt K, Bauer P, Gecz J, Golzio C, Gontan C

Molecular Psychiatry 2018 May; [Epub].

Application: WB-Tr, Human, HEK293 cells