

RNF12 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant RNF12.

Catalog # AT3658a

Specification

RNF12 Antibody (monoclonal) (M01) - Product Information

Application	IF, IP, WB, E
Primary Accession	Q9NVW2
Other Accession	NM_016120
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	68549

RNF12 Antibody (monoclonal) (M01) - Additional Information

Gene ID 51132

Other Names

E3 ubiquitin-protein ligase RLIM, 632-, LIM domain-interacting RING finger protein, RING finger LIM domain-binding protein, R-LIM, RING finger protein 12, Renal carcinoma antigen NY-REN-43, RLIM, RNF12

Target/Specificity

RNF12 (NP_057204, 1 a.a. ~ 83 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

Format

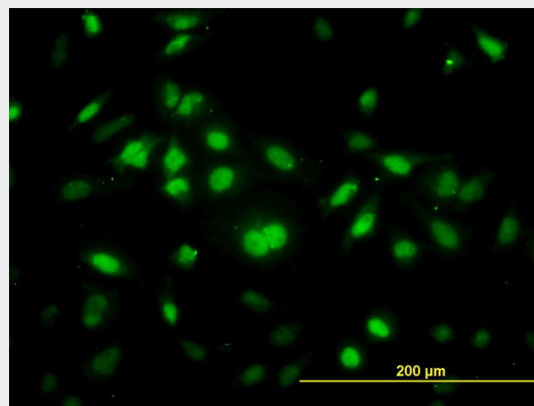
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

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

Precautions

RNF12 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.



Immunofluorescence of monoclonal antibody to RNF12 on HeLa cell. [antibody concentration 30 ug/ml]



Immunoprecipitation of RNF12 transfected lysate using anti-RNF12 monoclonal antibody and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with RNF12 MaxPab rabbit polyclonal antibody.

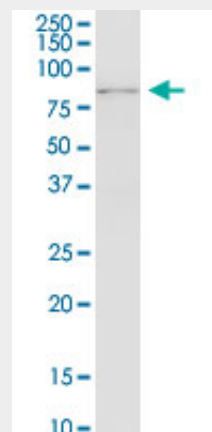
RNF12 Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

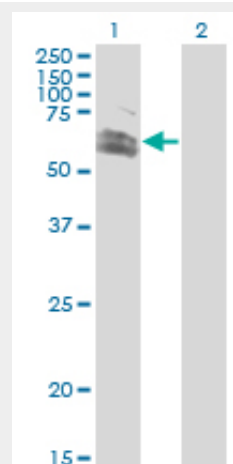
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (34.87 KDa) .



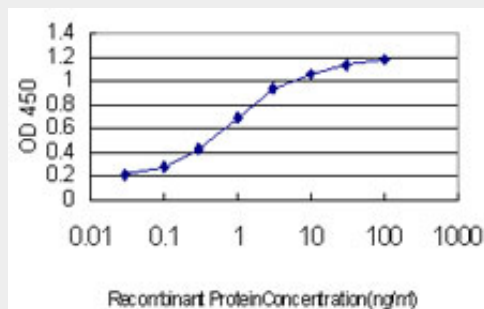
RNF12 monoclonal antibody (M01), clone 1G10. Western Blot analysis of RNF12 expression in Hela S3 NE.



Western Blot analysis of RNF12 expression in transfected 293T cell line by RNF12 monoclonal antibody (M01), clone 1G10.

Lane 1: RNF12 transfected lysate (Predicted MW: 68.5 KDa).

Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged RNF12 is approximately 0.03ng/ml as a capture antibody.

RNF12 Antibody (monoclonal) (M01) - Background

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.

RNF12 Antibody (monoclonal) (M01) - References

1. Nuclear receptor NR4A1 promotes breast cancer invasion and metastasis by activating TGF- β signalling. Zhou F, Drabsch Y, Dekker TJ, de Vinuesa AG, Li Y, Hawinkels LJ, Sheppard KA, Goumans MJ, Luwor RB, de Vries CJ, Mesker WE, Tollenaar RA, Devilee P, Lu CX, Zhu H, Zhang L, Dijke PT Nat Commun. 2014 Mar 3;5:3388. doi: 10.1038/ncomms4388.