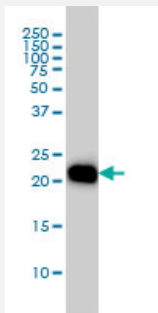


RHOA monoclonal antibody (M04), clone 1B12

Catalog # H00000387-M04

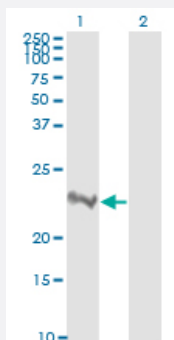
Size 100 ug

Applications



Western Blot (Cell lysate)

RHOA monoclonal antibody (M04), clone 1B12 Western Blot analysis of RHOA expression in HL-60 (Cat # L014V1).

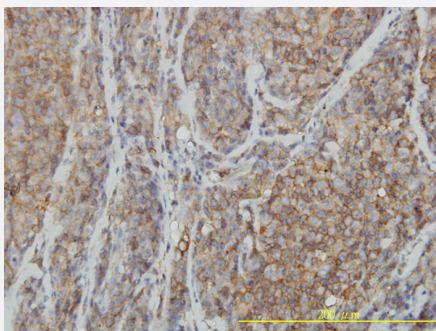


Western Blot (Transfected lysate)

Western Blot analysis of RHOA expression in transfected 293T cell line by RHOA monoclonal antibody (M04), clone 1B12.

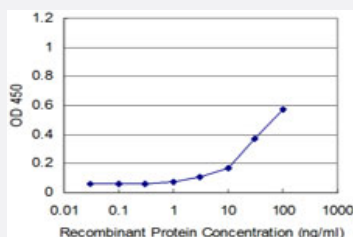
Lane 1: RHOA transfected lysate(21.8 KDa).

Lane 2: Non-transfected lysate.



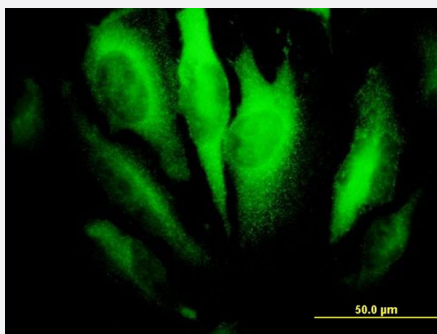
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to RHOA on formalin-fixed paraffin-embedded human lymphoma tissue.[antibody concentration 5 ug/ml]



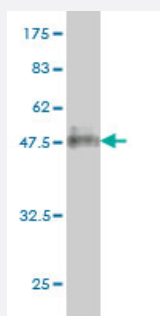
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged RHOA is approximately 10ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to RHOA on HeLa cell. [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (46.97 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant RHOA.
Immunogen	RHOA (AAH01360, 1 a.a. ~ 193 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MAAIRKKLVVGDGACGKTCLLVFSKDQFPEVYVPTVFENYVADIEVDGKQVELALWDTAGQEDY DRLRPLSYDPTDVILMCFSDSPDSLENIPEKWTPEVKHFPCNPVPIILVGNKKDLRNDHTRRELAK MKQEPVKPEEGRDMANRIGAFGYMECSAKTKDGVREVFEMATRAALQARRGKKKSGCLVL
Host	Mouse
Reactivity	Human
Isotype	IgG1 lambda
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (46.97 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

RHOA monoclonal antibody (M04), clone 1B12 Western Blot analysis of RHOA expression in HL-60 (Cat # L014V1).

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of RHOA expression in transfected 293T cell line by RHOA monoclonal antibody (M04), clone 1B12.

Lane 1: RHOA transfected lysate(21.8 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

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

Immunoperoxidase of monoclonal antibody to RHOA on formalin-fixed paraffin-embedded human lymphoma tissue.[antibody concentration 5 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged RHOA is approximately 10ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to RHOA on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — RHOA

Entrez GeneID

[387](#)

GeneBank Accession#

[BC001360](#)

Protein Accession#

[AAH01360](#)

Gene Name

RHOA

Gene Alias

ARH12, ARHA, RHO12, RHOH12

Gene Description	ras homolog gene family, member A
Omim ID	165390
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	Aplysia ras-related homolog 12 oncogene RHO H12 small GTP binding protein RhoA

Publication Reference

- [Cellular uptake of extracellular vesicles is mediated by clathrin-independent endocytosis and macropinocytosis.](#)

Verdera HC, Gitz-Francois JJ, Schiffelers RM, Vader P.

Journal of Controlled Release : Official Journal of the Controlled Release Society 2017 Sep; 266:100.

Application: WB-Tr, Human , HeLa cells

- [RhoA is associated with invasion and poor prognosis in colorectal cancer.](#)

Jeong D, Park S, Kim H, Kim CJ, Ahn TS, Bae SB, Kim HJ, Kim TH, Im J, Lee MS, Kwon HY, Baek MJ.

International Journal of Oncology 2016 Feb; 48(2):714.

Application: IHC-P, WB-Ce, Human, Colorectal Carcinoma, Caco2, Colo201, Colo205, HCT116, HT29, LoVo, SW480, SW620 cells

- [Relationship of RhoA signaling activity with ezrin expression and its significance in the prognosis for breast cancer patients.](#)

Ma L, Liu YP, Zhang XH, Geng CZ, Li ZH.

Chinese Medical Journal 2013 Jan; 126(2):242.

Application: WB, IHC-P, Human, MDA-MB-231 cell, breast infiltrating ductal carcinoma tissue

Pathway

- [Adherens junction](#)
- [Axon guidance](#)
- [Chemokine signaling pathway](#)
- [Colorectal cancer](#)
- [Focal adhesion](#)

- [Leukocyte transendothelial migration](#)
- [Neurotrophin signaling pathway](#)
- [Pathogenic Escherichia coli infection - EHEC](#)
- [Pathways in cancer](#)
- [Regulation of actin cytoskeleton](#)
- [T cell receptor signaling pathway](#)
- [TGF-beta signaling pathway](#)
- [Tight junction](#)
- [Vascular smooth muscle contraction](#)
- [Wnt signaling pathway](#)

Disease

- [Angina Pectoris](#)
- [Cardiovascular Diseases](#)
- [Coronary Vasospasm](#)
- [Crohn Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)
- [HIV Infections](#)
- [Occupational Diseases](#)