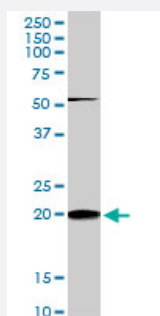


RHOC monoclonal antibody (M01), clone 2E12

Catalog # H00000389-M01

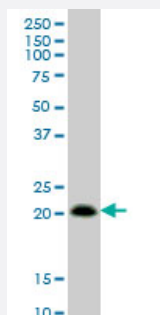
Size 100 ug

Applications



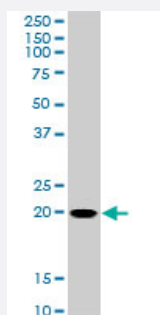
Western Blot (Cell lysate)

RHOC monoclonal antibody (M01), clone 2E12. Western Blot analysis of RHOC expression in PC-12(Cat # L012V1).



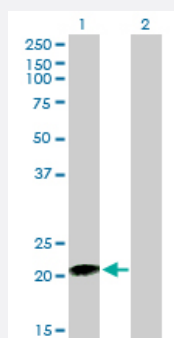
Western Blot (Cell lysate)

RHOC monoclonal antibody (M01), clone 2E12 Western Blot analysis of RHOC expression in Jurkat (Cat # L017V1).



Western Blot (Cell lysate)

RHOC monoclonal antibody (M01), clone 2E12. Western Blot analysis of RHOC expression in NIH/3T3(Cat # L018V1).



Western Blot (Transfected lysate)

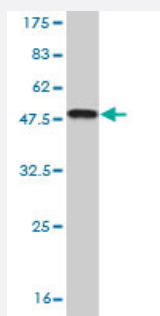
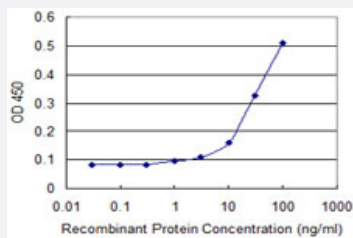
Western Blot analysis of RHOC expression in transfected 293T cell line by RHOC monoclonal antibody (M01), clone 2E12.

Lane 1: RHOC transfected lysate(22 KDa).

Lane 2: Non-transfected lysate.

Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged RHOC is approximately 3ng/ml as a capture antibody.



Western Blot detection against Immunogen (46.97 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant RHOC.
Immunogen	RHOC (AAH07245, 1 a.a. ~ 193 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MAAIRKKLVVGDGACGKTCLLIMFSKDQFPEVYVPTVFENYADIEVDGKQVELALWDTAGQEDY DRLRPLSYDPTDVLIMCFSIDSPDSLENIPEKWTPEVKHFCPNVPILVGNKKDLRQDEHTRRELAK MKQEPVRSEEGRDMANRISAFGYLECSAKTKEGVREVFEMATRAGLQVRKNKRRRGCPIL
Host	Mouse
Reactivity	Human, Mouse, Rat
Interspecies Antigen Sequence	Mouse (100); Rat (100)
Isotype	IgG2b Kappa
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)

RHOC monoclonal antibody (M01), clone 2E12. Western Blot analysis of RHOC expression in PC-12(Cat # L012V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

RHOC monoclonal antibody (M01), clone 2E12 Western Blot analysis of RHOC expression in Jurkat (Cat # L017V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

RHOC monoclonal antibody (M01), clone 2E12. Western Blot analysis of RHOC expression in NIH/3T3(Cat # L018V1).

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of RHOC expression in transfected 293T cell line by RHOC monoclonal antibody (M01), clone 2E12.

Lane 1: RHOC transfected lysate(22 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged RHOC is approximately 3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — RHOC

Entrez GeneID [389](#)

GeneBank Accession# [BC007245](#)

Protein Accession# [AAH07245](#)

Gene Name	RHOC
Gene Alias	ARH9, ARHC, H9, MGC1448, MGC61427, RHOH9
Gene Description	ras homolog gene family, member C
Omim ID	165380
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the Rho family of small GTPases, which cycle between inactive GDP-bound and active GTP-bound states and function as molecular switches in signal transduction cascades. Rho proteins promote reorganization of the actin cytoskeleton and regulate cell shape, attachment, and motility. The protein encoded by this gene is prenylated at its C-terminus, and localizes to the cytoplasm and plasma membrane. It is thought to be important in cell locomotion. Overexpression of this gene is associated with tumor cell proliferation and metastasis. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq]
Other Designations	OTTHUMP00000013675 OTTHUMP00000013676 OTTHUMP00000013802 OTTHUMP00000013805 OTTHUMP00000013807 OTTHUMP00000013809 RAS-related homolog 9 Rho-related GTP-binding protein RhoC oncogene RHO H9 rhoC GTPase small GTP binding protein RhoC

Publication Reference

- [Epidermal Growth Factor Stimulates Human Trophoblast Cell Migration through Rho A and Rho C Activation.](#)

Han J, Li L, Hu J, Yu L, Zheng Y, Guo J, Zheng X, Yi P, Zhou Y.

Endocrinology 2010 Apr; 151(4):1732.

Application: WB, Human, JEG-3, JAR, Villus explants

Disease

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- [Breast Neoplasms](#)
- [Coronary Vasospasm](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)