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Datasheet

RHOC monoclonal antibody (M01), clone 2E12

Catalog Number: H00000389-M01

Regulation Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a full length recombinant RHOC.

Clone Name: 2E12

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:
MAAIRKKLVIVGDGACGKTCLLIVFSKDQFPEVYVPTVF
ENYIADIEVDGKQVELALWDTAGQEDYDRLRPLSYPD
TDVILMCFSIDSPDSLENIPEKWTPEVKHFCPNVPIILVG
NKKDLRQDEHTRRELAKMKQEPVRSEEGRDMANRIS
AFGYLECSAKTKEGVREVFEMATRAGLQVRKNKRRR
GCPIL

Host: Mouse

Reactivity: Human,Mouse,Rat

Applications: ELISA, S-ELISA, WB-Ce, WB-Re, WB-Tr (See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Isotype: IgG2b Kappa

Storage Buffer: In 1x PBS, pH 7.4

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

Entrez GeneID: 389

Gene Symbol: RHOC

Gene Alias: ARH9, ARHC, H9, MGC1448, MGC61427, RHOH9

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]

References:

1. 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 Feb 11. [Epub ahead of print]