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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-HEF1 Antibody (PTyr166)

Rabbit Anti-Human HEF1 (pTyr166) Polyclonal
Catalog No. SPC-933

StressMarq Biosciences INC.
Discovery through partnership | Excellence through quality

Overview

Product Name

HEF1 Antibody (pTyr166)

Description

Rabbit Anti-Human HEF1 (pTyr166) Polyclonal

Species Reactivity

Human

Applications

WB, AM

Antibody Dilution

WB (1:250); optimal dilutions for assays should be determined by the user.

Host Species

Rabbit

Immunogen Species

Human

Immunogen

A phospho-specific peptide corresponding to residues surrounding Tyr166 of human HEF1 (AA163-169)

Conjugates

Alkaline Phosphatase, APC, ATTO 390, ATTO 488, ATTO 565, ATTO 594, ATTO 633, ATTO 655, ATTO 680, ATTO 700, Biotin, FITC, HRP, PE/ATTO 594, PerCP, RPE, Streptavidin, Unconjugated

Properties

Storage Buffer

PBS pH7.4, 50% glycerol, 0.025% Thimerosal

Storage Temperature

-20ºC

Shipping Temperature

Blue Ice or 4ºC

Purification

Peptide Affinity Purified

Clonality

Polyclonal

Specificity

Detects 92.861 kDa.

Cite This Product

Rabbit Anti-Human HEF1 (pTyr166) Polyclonal (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SPC-933)

Certificate Of Analysis

A 1:250 dilution of SPC-933 was sufficient for detection of HEF1 (pTyr166) in 10 µg of human breast cancer cell (MCF7) lysates by ECL immunoblot analysis using goat anti-rabbit IgG:HRP as the secondary antibody.

Biological Description

Alternative Names

Cas like docking Antibody, Cas scaffolding protein family member 2 Antibody, CAS-L Antibody, CAS2 Antibody, Crk associated substrate related Antibody, Enhancer of filamentation 1 Antibody, Enhancer of filamentation 1 p55 Antibody, NEDD-9 Antibody, Neural precursor cell expressed developmentally down-regulated protein 9 Antibody, P105 Antibody, Renal carcinoma antigen NY-REN-12 Antibody

Cellular Localization

Cytoplasm, Cell Cortex, Cytoskeleton, Golgi apparatus

Accession Number

NP_001135865

Gene ID

4739

Swiss Prot

Q14511

Scientific Background

HEF1, also known as Enhancer of filamentation 1, CRKassociated substrate-related protein, CAS-L, CasL, p105 and Neural precursor cell expressed developmentally down-regulated 9 is the product of the NEDD9 (CASGL) gene. HEF1 functions as a docking protein that plays a central coordinating role for tyrosine-kinase-based signaling related to cell adhesion. HEF1 may also function in transmitting growth control signals between focal adhesions at the cell periphery and the mitotic spindle in response to adhesion or growth factor signals initiating cell proliferation. HEF1 may also play an important role in integrin beta-1 or B cell antigen receptor (BCR) mediated signaling in B- and T-cells. Integrin beta-1 stimulation leads to recruitment of various proteins including CRK, NCK and SHPTP2 to the tyrosine phosphorylated form. HEF1 forms a homodimer and can heterodimerize with HLH proteins ID2, E12, E47 and also with p130cas. HEF1 also forms complexes in vivo with related adhesion focal tyrosine kinase (RAFTK), adapter protein CRKL and LYN kinase and also interacts with MICAL and TXNL4/DIM1. This protein localizes to both the cell nucleus and the cell periphery and is differently localized in fibroblasts and epithelial cells. In fibroblasts, it is predominantly nuclear and in some cells is present in the Golgi apparatus. In epithelial cells, it is localized predominantly in the cell periphery with particular concentration in lamellipodia, but it is also found in the nucleus. HEF1 is widely expressed although higher levels are detected in kidney, lung, and placental tissue. HEF1 is also detected in T-cells, B-cells and diverse cell lines. HEF1 is activated upon induction of cell growth. Cell cycle-regulated processing produces four isoforms: p115, p105, p65, and p55. Isoform p115 arises from p105 phosphorylation and appears later in the cell cycle. Isoform p55 arises from p105 as a result of cleavage at a caspase cleavage-related site and it appears specifically at mitosis. The p65 isoform is poorly detected. Isoforms p105 and p115 are predominantly cytoplasmic and associate with focal adhesions while p55 associates with the mitotic spindle.

Product Images

Currently there are no images for this product

Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.