环指蛋白 142 抗体

产品货号： mlR9156

英文名称： RNF142

中文名称： 环指蛋白 142 抗体

别　　名： Plenty of SH3 domains; Plenty of SH3s; POSH; Ring finger protein 142; RNF 142; RNF142; SH3 domain containing ring finger 1; SH3 domain containing RING finger protein 1; SH3MD2; SH3 multiple domains 2; SH3RF1.

研究领域： 细胞生物　免疫学　信号转导　激酶和磷酸酶　G 蛋白信号

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Chicken, Dog, Cow, Horse, Rabbit, Sheep,

产品应用： ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 IF=1:50-200 （石蜡切片需做抗原修复）
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

分 子 量： 93kDa

细胞定位： 细胞浆

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human SH3MD2/RNF142:401-500/888

mlbio 酶联生物
Good elisakit producers

亚　　型： IgG

纯化方法： affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

PubMed： PubMed

产品介绍： SH3MD2 acts as a scaffold protein, contributes to Rac-induced signal transduction such as JNKs (MAPK8 and MAPK9) activation and induces apoptosis. Within a signaling complex, it probably recruits protein kinases such as MAP3K10 or MAP3K11 which are in turn activated leading to the sequential activation of MAP2K4, MAP2K7 and JNKs (MAPK8 and MAPK9). SH3MD2 may be involved in targeting of HIV-1 GAG and GAG-POL polyproteins to the plasma membrane. This gene encodes a protein containing an N-terminus RING-finger, four SH3 domains, and a region implicated in binding of the Rho GTPase Rac. Via the RING-finger, the encoded protein has been shown to function as an ubiquitin-protein ligase involved in protein sorting at the trans-Golgi network. The encoded protein may also act as a scaffold for the c-Jun N-terminal kinase signaling pathway, facilitating the formation of a functional signaling module. There are two named isoforms.

Function:

Acts as a scaffold protein, contributes to Rac-induced signal transduction such as JNKs (MAPK8 and MAPK9) activation and induces apoptosis. Within a signaling complex, it probably recruits protein kinases such as MAP3K10 or MAP3K11 which are in turn activated leading to the sequential activation of MAP2K4, MAP2K7 and JNKs (MAPK8 and MAPK9) (By similarity). May be involved in targeting of HIV-1 GAG and GAG-POL polyproteins to the plasma membrane.

Might act as an E3 ubiquitin-protein ligase, or as part of E3 complex, which accepts ubiquitin from specific E2 ubiquitin-conjugating enzymes such as UBE2D1 or UBE2N and then transfers it to substrates. In the absence of an external substrate, it can catalyze self-ubiquitination. Stimulates ubiquitination of potassium channel KCNJ1, enhancing it's dynamin-dependent and clathrin-independent endocytosis.

Plays an essential role in the targeting of HIV-1 Gag to the plasma membrane, this function is dependent on it's RING domain, and hence it's E3 ligase activity.

Subunit:

Interacts with Rac; in a GTP-dependent manner (By similarity). Interacts with MAP3K10 and MAP3K11. Interacts with MAPK8IP; this interaction leads to the PJAC complex (POSH-JIP or SH3RF1/MAPK8IP apoptotic complex) with a 1:1 ratio. Interacts with SIAH1. Interacts with HERP1. Probably part of a signaling complex that may contain SH3RF1, MAPK8IP, DLK1, MAP2K4, MAP2K7, MAPK8, MAPK9, AKT1 and AKT2.

Subcellular Location:

Cytoplasm, perinuclear region (By similarity). Cell projection, lamellipodium. Cytoplasm. Golgi apparatus, trans-Golgi network. Note=Colocalizes, with AKT2, in lamellipodia (By similarity). Colocalizes, with HERP1, in trans-Golgi network.

Tissue Specificity:

Golgi Apparatus. Lamellipodium. Perinuclear region of cytoplasm.

Post-translational modifications:

Phosphorylated at Ser-304 by AKT1 and AKT2. When phosphorylated, it has reduced ability to bind Rac.

Subject to ubiquitination and proteasomal degradation (By similarity).

Similarity:

Belongs to the SH3RF family.

Contains 1 RING-type zinc finger.

Contains 4 SH3 domains.

SWISS:

Q9C019

Gene ID:

89870

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

产品图片