ELMO1 polyclonal antibody

Catalog: BS90459 Host: Rabbit Reactivity: Human, Mouse, Rat

BackGround:

Elmo (engulfment and cell motility) proteins share similarity to C. elegans CED-12. The C. elegans genes ced-2, ced-5, ced-10 and ced-12, and their mammalian homologs, CRKII, DOCK1, RAC1 and ELMO, mediate cytoskeletal rear-rangements during phagocytosis of apoptotic cells as well as cell motility. Elmo1 associates with DOCK 180 and may influence phagocytosis and effect cell shape changes. Src family kinase-mediated tyrosine phosphorylation of Elmo1 influences signaling through Elmo1/Crk/DOCK 180 pathways. Elmo2 interacts directly with Rho G in a GTP-dependent manner and forms a ternary complex with DOCK 180 to induce activation of Rac 1. The Rho G-Elmo2-DOCK 180 pathway is required for activation of Rac 1 and cell spreading mediated by integrin, as well as for neurite outgrowth induced by nerve growth factor. Elmo3 acts in assocation with DOCK 180 and Crk II and may be required in complex with DOCK 180 to activate Rac/Rho small GTPases.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

84 kDa

Swiss-Prot:

Q92556(Human) Q8BPU7(Mouse)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:500-1:2,000

IHC:1:50-1:200

FC:1:50-1:100

IP:1:50-1:100

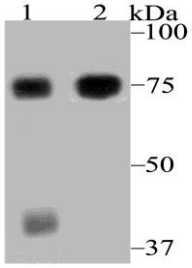
Storage&Stability:

Store at +4 ℃ after thawing. Aliquot store at -20 ℃. Avoid repeated freeze / thaw cycles.

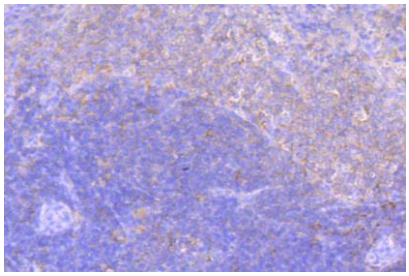
Specificity:

ELMO1 polyclonal antibody detects endogenous levels of ELMO1 protein.

DATA:



Western blot analysis of ELMO1 on mouse spleen tissue and Jurkat cell lysates using anti-ELMO1 antibody at 1/1,000 dilution.



Immunohistochemical analysis of paraffin-embedded rat spleen tissue using anti-ELMO1 antibody. Counter stained with hematoxylin. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6) for 20 mins.

Note:

For research use only, not for use in diagnostic procedure.

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