

Rabbit Anti-ELMO1/Biotin Conjugated antibody

SL5807R-Bio

Product Name Anti-ELMO1/Biotin

Chinese Name 生物素标记的吞噬细胞运动蛋白 1 抗体

Alias CED 12; Ced 12 homolog 1; Ced 12 homolog; CED12; Ced12 homolog 1; Ced12 homolog; ELMO 1; Engulfment and cell motility 1; Engulfment and cell motility protein 1; KIAA0281; ELMO1_HUMAN.

Research Area Tumour Cell biology immunology Apoptosis G protein-coupled receptor

Immunogen Species Rabbit

Clonality Polyclonal

React Species (predicted:Human,Mouse,Rat,Chicken,Dog,Cow,Rabbit)

Applications WB=1000-10000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:500-5000
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Molecular weight 84kDa

Form Lyophilized or Liquid

Concentration 1mg/ml

immunogen KLH conjugated synthetic peptide derived from human ELMO.

Lsotype IgG

Purification affinity purified by Protein A

Storage Buffer 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

Storage 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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Product Detail **background:**
ELMO1 is involved in cytoskeletal rearrangements required for phagocytosis of apoptotic cells and cell motility. ELMO1 acts in association with DOCK1 and CRK and was initially

proposed to be required in complex with DOCK1 to activate Rac Rho small GTPases. It is believed to enhance the guanine nucleotide exchange factor (GEF) activity of DOCK1.

Function:

Involved in cytoskeletal rearrangements required for phagocytosis of apoptotic cells and cell motility. Acts in association with DOCK1 and CRK. Was initially proposed to be required in complex with DOCK1 to activate Rac Rho small GTPases. May enhance the guanine nucleotide exchange factor (GEF) activity of DOCK1.

Subunit:

Interacts with BAI1 (By similarity). Interacts directly with the SH3-domain of DOCK1 via its SH3-binding site. Part of a complex with DOCK1 and RAC1. Part of a complex with DOCK1 and CRK isoform CRK-II. Interacts with PLEKHG6. Interacts with HCK (via SH3 domain).

Subcellular Location:

Cytoplasm. Cell membrane. Note=Translocation to plasma membrane seems to be mediated by DOCK1 and CRK.

Tissue Specificity:

Widely expressed, with a higher expression in the spleen and placenta.

Post-translational modifications:

Phosphorylated by HCK (Probable).

Similarity:

Contains 1 ELMO domain.

Contains 1 PH domain.

Database links:

[Entrez Gene: 9844](#) Human

[Entrez Gene: 140580](#) Mouse

[Entrez Gene: 361251](#) Rat

[Omim: 606420](#) Human

[SwissProt: Q92556](#) Human

[SwissProt: Q8BPU7](#) Mouse

[Unigene: 656638](#) Human

[Unigene: 342392](#) Mouse



SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Important Note:

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