

ELMO1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP8761c

Specification

ELMO1 Antibody (Center) Blocking Peptide - Product Information

Primary Accession [Q92556](#)

ELMO1 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 9844

Other Names

Engulfment and cell motility protein 1, Protein ced-12 homolog, ELMO1, KIAA0281

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP8761c](#) was selected from the Center region of human ELMO1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

ELMO1 Antibody (Center) Blocking Peptide - Protein Information

Name ELMO1

Synonyms KIAA0281

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.

Cellular Location

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

Tissue Location

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

ELMO1 Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

ELMO1 Antibody (Center) Blocking Peptide - Images

ELMO1 Antibody (Center) Blocking Peptide - Background

ELMO1 interacts with the dedicator of cyto-kinesis 1 protein to promote phagocytosis and effect cell shape changes. Similarity to a *C. elegans* protein suggests that this protein may function in apoptosis and in cell migration.

ELMO1 Antibody (Center) Blocking Peptide - References

Choudhary C., et.al., Science 325:834-840(2009).