

MCF2L Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP18793b**Specification**

MCF2L Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [O15068](#)**MCF2L Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 23263**Other Names**

Guanine nucleotide exchange factor DBS, DBL's big sister, MCF2-transforming sequence-like protein, MCF2L, KIAA0362

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.

MCF2L Antibody (C-term) Blocking Peptide - Protein Information**Name** MCF2L**Synonyms** KIAA0362, OST {ECO:0000303|PubMed:151576}**Function**

Guanine nucleotide exchange factor that catalyzes guanine nucleotide exchange on RHOA and CDC42, and thereby contributes to the regulation of RHOA and CDC42 signaling pathways (By similarity). Seems to lack activity with RAC1. Becomes activated and highly tumorigenic by truncation of the N-terminus (By similarity). Isoform 5 activates CDC42 (PubMed:15157669).

Cellular Location[Isoform 5]: Cytoplasm. Cell membrane; Peripheral membrane protein; Cytoplasmic side
Cytoplasm {ECO:0000250|UniProtKB:Q64096}. Cell membrane
{ECO:0000250|UniProtKB:Q64096}; Peripheral membrane protein
{ECO:0000250|UniProtKB:Q64096}; Cytoplasmic side {ECO:0000250|UniProtKB:Q64096}**MCF2L Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

MCF2L Antibody (C-term) Blocking Peptide - Images

MCF2L Antibody (C-term) Blocking Peptide - Background

Guanine nucleotide exchange factor that potentially links pathways that signal through RAC1, RHOA and CDC42. Catalyzes guanine nucleotide exchange on RHOA and CDC42 and interacts specifically with the GTP-bound form of RAC1, suggesting that it functions as an effector of RAC1. May also participate in axonal transport in the brain. Becomes activated and highly tumorigenic by truncation of the N-terminus (By similarity). Isoform 5 activates CDC42.

MCF2L Antibody (C-term) Blocking Peptide - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Takefuji, M., et al. J. Hum. Genet. 55(1):42-49(2010)Ieguchi, K., et al. J. Biol. Chem. 282(32):23296-23305(2007)Yang, Q., et al. BMC Med. Genet. 8 SUPPL 1, S12 (2007) :Kostenko, E.V., et al. J. Biol. Chem. 280(4):2807-2817(2005)