

MCF2 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP12563b**Specification**

MCF2 Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [P10911](#)**MCF2 Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 4168**Other Names**

Proto-oncogene DBL, Proto-oncogene MCF-2, MCF2-transforming protein, DBL-transforming protein, MCF2, DBL

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.

MCF2 Antibody (C-term) Blocking peptide - Protein Information**Name** MCF2**Synonyms** DBL**Function**

Guanine nucleotide exchange factor (GEF) that modulates the Rho family of GTPases. Promotes the conversion of some member of the Rho family GTPase from the GDP-bound to the GTP-bound form. Isoform 1 exhibits no activity toward RHOA, RAC1 or CDC42. Isoform 2 exhibits decreased GEF activity toward CDC42. Isoform 3 exhibits a weak but significant activity toward RAC1 and CDC42. Isoform 4 exhibits significant activity toward RHOA and CDC42. The truncated DBL oncogene is active toward RHOA, RAC1 and CDC42.

Cellular Location

Cytoplasm. [Isoform 3]: Membrane. Note=Colocalizes with CDC42 to plasma membrane

Tissue Location

Isoform 1 is expressed only in brain. Isoform 3 is expressed in heart, kidney, spleen, liver and testis. Isoform 4 is expressed in brain, heart, kidney, testis, placenta, stomach and peripheral blood. The protein is detectable in brain, heart, kidney, intestine, muscle, lung and testis.

MCF2 Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

MCF2 Antibody (C-term) Blocking peptide - Images

MCF2 Antibody (C-term) Blocking peptide - Background

The oncogenic protein encoded by this gene is a guaninenucleotide exchange factor (GEF) that exerts control over somemembers of the Rho family of small GTPases. Several transcriptvariants encoding different isoforms have been found for this gene. These isoforms exhibit different expression patterns and varying levels of GEF activity.

MCF2 Antibody (C-term) Blocking peptide - References

Piton, A., et al. Mol. Psychiatry (2010) In press :Murakami, M., et al. Int. J. Cancer
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Biol. Chem. 282(40):29201-29210(2007)Prag, S., et al. Mol. Biol. Cell 18(8):2935-2948(2007)