10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Mouse Mos Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP14693b

Specification

Mouse Mos Antibody (C-term) Blocking Peptide - Product Information

Primary Accession P00536

Mouse Mos Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 17451

Other Names
Proto-oncogene serine/threonine-protein kinase mos, Oocyte maturation factor mos, Proto-oncogene c-Mos, Mos

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.

Mouse Mos Antibody (C-term) Blocking Peptide - Protein Information

Name Mos {ECO:0000312|MGI:MGI:97052}

Function
Serine/threonine kinase involved in the regulation of MAPK signaling. Is an activator of the ERK1/2 signaling cascade playing an essential role in the stimulation of oocyte maturation.

Cellular Location
Cytoplasm {ECO:0000250|UniProtKB:P00540}.

Mouse Mos Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

Mouse Mos Antibody (C-term) Blocking Peptide - Images

Mouse Mos Antibody (C-term) Blocking Peptide - Background

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

MOS is a proto oncogene (c-Mos) encoded protein serine/threonine kinase. MOS is a monomeric protein that indirectly activates MAP kinase (Erk1/2) by directly phosphorylating MAP kinase kinase (Mck, MAPKK, MKK). MOS is known as a cytostatic factor (CSF) and is also thought to arrest unfertilized amphibian and mammalian cells during M phase, thus regulating oocyte maturation. MOS is destroyed before fertilisation, after exit from meiosis II, making it a good marker for studies of eggs during oogenesis and maturation.