

Mouse Yes1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP14473a**Specification**

Mouse Yes1 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [Q04736](#)
Other Accession [NP_033561.1](#)

Mouse Yes1 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 22612

Other Names

Tyrosine-protein kinase Yes, Proto-oncogene c-Yes, p61-Yes, Yes1, Yes

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 Yes1 Antibody (N-term) Blocking Peptide - Protein Information

Name Yes1

Synonyms Yes

Function

Non-receptor protein tyrosine kinase that is involved in the regulation of cell growth and survival, apoptosis, cell-cell adhesion, cytoskeleton remodeling, and differentiation. Stimulation by receptor tyrosine kinases (RTKs) including EGFR, PDGFR, CSF1R and FGFR leads to recruitment of YES1 to the phosphorylated receptor, and activation and phosphorylation of downstream substrates. Upon EGFR activation, promotes the phosphorylation of PARD3 to favor epithelial tight junction assembly. Participates in the phosphorylation of specific junctional components such as CTNND1 by stimulating the FYN and FER tyrosine kinases at cell-cell contacts. Upon T-cell stimulation by CXCL12, phosphorylates collapsin response mediator protein 2/DPYSL2 and induces T-cell migration. Participates in CD95L/FASLG signaling pathway and mediates AKT-mediated cell migration. Plays a role in cell cycle progression by phosphorylating the cyclin dependent kinase 4/CDK4 thus regulating the G1 phase. Also involved in G2/M progression and cytokinesis (By similarity). Catalyzes phosphorylation of organic cation transporter OCT2 which induces its transport activity (PubMed: <http://www.uniprot.org/citations/26979622> target="_blank">26979622).

Cellular Location

Cell membrane. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome Cytoplasm, cytosol. Note=Newly synthesized protein initially accumulates in the Golgi region and traffics to the plasma membrane through the exocytic pathway.

Mouse Yes1 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

Mouse Yes1 Antibody (N-term) Blocking Peptide - Images**Mouse Yes1 Antibody (N-term) Blocking Peptide - References**

Zheng, Y., et al. Mol. Cell. Biol. 30(17):4280-4292(2010)Slanina, H., et al. Infect. Immun. 78(5):1905-1914(2010)Abrami, L., et al. Proc. Natl. Acad. Sci. U.S.A. 107(4):1420-1424(2010)Chen, S.C., et al. Am. J. Physiol., Cell Physiol. 297 (1), C133-C139 (2009) :Kao, T.J., et al. J. Neurosci. 29(17):5690-5700(2009)