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LYK5 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP7142b

Specification

LYK5 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession	Q7RTN6

LYK5 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 92335

Other Names
STE20-related kinase adapter protein alpha, STRAD alpha, STE20-related adapter protein, Serologically defined breast cancer antigen NY-BR-96, STRADA, LYK5 {ECO:0000312|EMBL:AAP422801}, STRAD

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP7142b was selected from the C-term region of human LYK5. 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.

LYK5 Antibody (C-term) Blocking Peptide - Protein Information

Name STRADA

Synonyms LYK5 {ECO:0000312|EMBL:AAP42280.1}, STRA

Function
Pseudokinase which, in complex with CAB39/MO25 (CAB39/MO25alpha or CAB39L/MO25beta), binds to and activates STK11/LKB1. Adopts a closed conformation typical of active protein kinases and binds STK11/LKB1 as a pseudosubstrate, promoting conformational change of STK11/LKB1 in an active conformation.

Cellular Location
Nucleus. Cytoplasm

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LYK5 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

LYK5 Antibody (C-term) Blocking Peptide - Images

LYK5 Antibody (C-term) Blocking Peptide - Background

LYK5, also STE20-related Adaptor Protein (STRAD) are members of STE-20 like kinase family that are known to stimulate MAPK pathways by directly activating MAPKKK. LYK5 is a novel pseudokinase member of this family consisting of a STE-20 like kinase domain but lacks several residues that are required for its catalytic activity. It specifically binds LKB1 and plays a key role in regulating tumor suppressor activities of LKB1. It functions as an upstream activator of LKB1 and also directs the sub-cellular localization of LKB1 by anchoring it in the cytoplasm. STRAD-LKB1 interaction results in phosphorylation of STRAD and enhanced autophosphorylation of LKB1.