

PEAK1 Polyclonal antibody

Catalog Number: 55355-1-AP

Basic Information

Catalog Number:

55355-1-AP

Size:

370 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_024776

GeneID (NCBI):

79834

UNIPROT ID:

Q9H792

Full Name:

NKF3 kinase family member

Calculated MW:

193 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

ELISA

Species Specificity:

human, mouse

Background Information

PEAK1, also named as SGK269 and KIAA2002, belongs to the protein kinase superfamily. (PEAK1). It is a 190-kDa nonreceptor tyrosine kinase that localizes to actin filaments and focal adhesions. PEAK1 undergoes Src-induced tyrosine phosphorylation, regulates the p130Cas-Crk-paxillin and Erk signaling pathways, and operates downstream of integrin and epidermal growth factor receptors (EGFR) to control cell spreading, migration, and proliferation. Perturbation of PEAK1 levels in cancer cells alters anchorage-independent growth and tumor progression in mice. Notably, primary and metastatic samples from colon cancer patients display amplified PEAK1 levels in 81% of the cases. PEAK1 is an important cytoskeletal regulatory kinase and possible target for anticancer therapy. This antibody is specific to PEAK1.

Storage

Storage:

Store at -20°C.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

