

For Research Use Only

# PEAK1 Polyclonal antibody

Catalog Number: 55355-1-AP



## Basic Information

<b>Catalog Number:</b> 55355-1-AP	<b>GenBank Accession Number:</b> NM_024776	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 367 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 79834	
<b>Source:</b> Rabbit	<b>Full Name:</b> NKF3 kinase family member	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 193 kDa	

## 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

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

---

## Selected Validation Data