

Rabbit Anti-PAK3 antibody

SL60626R

Product Name	PAK3
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human
Applications	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Cellular localization	The cell membrane
Form	Liquid
Concentration	1mg/ml
Isotype	IgG
Purification	Affinity purified by Protein A
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
PubMed	PubMed Serine/threonine protein kinase functions in various different signaling pathways, including cytoskeleton regulation, cell migration, or cell cycle regulation. It plays a role in dendritic spine morphogenesis as well as synapse formation and plasticity. It acts as a downstream effector of the small GTPases CDC42 and RAC1. Activation upon binding of active CDC42 and RAC1 leads to a conformational change and subsequent autophosphorylation of several serine and/or threonine residues. It phosphorylates MAPK4 and MAPK6 and activates the downstream target MAPKAPK5, which is a regulator of F-actin polymerization and cell migration. Additionally, it phosphorylates TNNI3/troponin I to regulate the calcium sensitivity and relaxation kinetics of thin filaments.
Product Detail	