

alpha Synuclein (Phospho-S129) Conjugated Antibody

Catalog No: #C13434



Package Size: #C13434-AF350 100ul #C13434-AF405 100ul #C13434-AF488 100ul
 #C13434-AF555 100ul #C13434-AF594 100ul #C13434-AF647 100ul
 #C13434-AF680 100ul #C13434-AF750 100ul #C13434-Biotin 100ul

Orders: order@signalwayantibody.com
 Support: tech@signalwayantibody.com

Description

Product Name	alpha Synuclein (Phospho-S129) Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	C-t-PAK2 antibody CB422 antibody EC 2.7.11.1 antibody Gamma PAK antibody Gamma-PAK antibody hPAK65 antibody Kinase antibody p21 (CDKN1A) activated kinase 2 antibody p21 (CDKN1A)-activated kinase 2a antibody p21 activated kinase 2 antibody p21 protein (Cdc42/Rac)-activated kinase 2 antibody p21 protein Cdc42 Rac activated kinase 2 antibody p21-activated kinase 2 antibody p21-activated kinase, 65-KD antibody p21-activated protein kinase I antibody p21CDKN1A activated kinase 2 antibody p27 antibody p34 antibody p58 antibody p65PAK antibody PAK 2 antibody PAK-2 antibody PAK-2p34 antibody Pak2 antibody PAK2_HUMAN antibody PAK65 antibody PAKgamma antibody S6 H4 kinase antibody S6/H4 kinase antibody Serine threonine protein kinase PAK 2 antibody Serine/threonine protein kinase PAK 2 antibody
Accession No.	Swiss-Prot#:Q13177
Uniprot	Q13177
GeneID	5062;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	58
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

Three recently identified isoforms of serine/threonine kinases, designated α PAK p68, β PAK p65 and γ PAK p62, have been shown to exhibit a high degree of sequence homology with the *S. cerevisiae* kinase STE20, involved in pheromone signaling. The α , β , and γ PAK isoforms complex specifically with Rac1 and Cdc42 in their active GTP bound state, inhibiting their intrinsic GTPase activity leading to their autophosphorylation. Once phosphorylated and their affinity for Rac/Cdc42 reduced, the PAK isoforms disassociate from the complex to seek downstream substrates. One such putative substrate is MEK kinase, an upstream effector of MEK4 which is involved in the JNK signaling pathway. While the PAK isoforms interact in a GTP-dependent manner with Rac1 and Cdc42, they do not interact with Rho.

Note: This product is for in vitro research use only