PYK2 (Phospho-Tyr579) Conjugated Antibody

Catalog No: #C11776

Package Size: #C11776-AF350 100ul #C11776-AF405 100ul #C11776-AF488 100ul #C11776-AF555 100ul #C11776-AF594 100ul #C11776-AF647 100ul #C11776-AF680 100ul #C11776-AF750 100ul #C11776-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	PYK2 (Phospho-Tyr579) Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of PYK2 only when phosphorylated at tyrosine 579.
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine 579(E-D-Y(p)-Y-K) derived from Human PYK2.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	CADTK;FADK 2; FAK2;PTK2B;RAFTK
Accession No.	Swiss-Prot#:Q14289NCBI Gene ID:2185NCBI mRNA#:NM_004103.4. NCBI Protein#:NP_004094.3.
Uniprot	Q14289
GeneID	2185;
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	116
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

Product Description

Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.

Background

Involved in calcium induced regulation of ion channel and activation of the map kinase signaling pathway. May represent an important signaling intermediate between neuropeptide activated receptors or neurotransmitters that increase calcium flux and the downstream signals that regulate neuronal activity. Interacts with the SH2 domain of Grb2. May phosphorylate the voltage-gated potassium channel protein Kv1.2. Its activation is highly correlated with the stimulation of c-Jun N-terminal kinase activity. Involved in osmotic stress-dependent SNCA 'Tyr-125' phosphorylation.

Note: This product is for in vitro research use only