LCK Conjugated Antibody

Catalog No: #C32644

Package Size: #C32644-AF350 100ul #C32644-AF405 100ul #C32644-AF488 100ul #C32644-AF555 100ul #C32644-AF594 100ul #C32644-AF647 100ul #C32644-AF680 100ul #C32644-AF750 100ul #C32644-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	LCK Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total LCK protein.
Immunogen Description	Recombinant protein of human LCK.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	YT16;p56lck;pp58lck
Accession No.	Swiss-Prot#:P06239NCBI Gene ID:3932
Uniprot	P06239
GeneID	3932;
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	56
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 purified by affinity purification using immunogen.

Background

The Src family of protein tyrosine kinases, which includes Src, Lyn, Fyn, Yes, Lck, Blk, and Hck, are important in the regulation of growth and differentiation of eukaryotic cells (1). Src activity is regulated by tyrosine phosphorylation at two sites, but with opposing effects. While phosphorylation at Tyr416 in the activation loop of the kinase domain upregulates enzyme activity, phosphorylation at Tyr527 in the carboxy-terminal tail by Csk renders the enzyme less active (2).
p56lck (lymphocyte cellular kinase) has been shown to be a pivotal enzyme to both maturation of thymocytes and activation and proliferation of peripheral lymphocytes. The p56lck sequence appeared highly homologous to that of the oncogene p60c-src as did its exon-intron organisation. p56lck does not appear involved in lymphoproliferative diseases, either by overexpression or activating mutations. Nevertheless, its aberrant expression has been reported in some carcinomas (colon, lung and mammary). It was suggested that p56lck could favor metastases by facilitating loss of cell adhesion (3).

Note: This product is for in vitro research use only