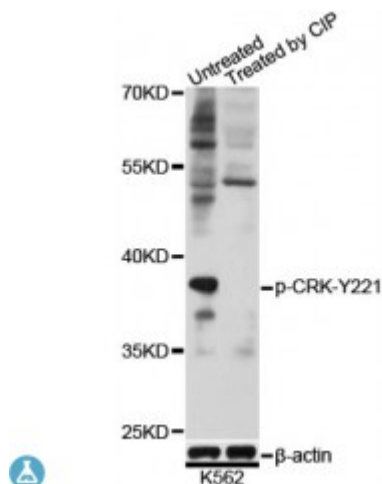


Anti-Phospho-CRK-(Y221) Antibody



Description

This gene encodes a member of an adapter protein family that binds to several tyrosine-phosphorylated proteins. The product of this gene has several SH2 and SH3 domains (src-homology domains) and is involved in several signaling pathways, recruiting cytoplasmic proteins in the vicinity of tyrosine kinase through SH2-phosphotyrosine interaction. The N-terminal SH2 domain of this protein functions as a positive regulator of transformation whereas the C-terminal SH3 domain functions as a negative regulator of transformation. Two alternative transcripts encoding different isoforms with distinct biological activity have been described.

Model	STJ117920
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	WB
Immunogen	A synthetic phosphorylated peptide around Y221 of human CRK (NP_058431.2).
Gene ID	1398
Gene Symbol	CRK
Dilution range	WB 1:500 - 1:2000
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Adapter molecule crk Proto-oncogene c-Crk p38
Molecular Weight	33.831 kDa

Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:2362OMIM:164762Reactome:R-HSA-170984
Alternative Names	Adapter molecule crk Proto-oncogene c-Crk p38
Function	Isoform Crk-II: Regulates cell adhesion, spreading and migration, Mediates attachment-induced MAPK8 activation, membrane ruffling and cell motility in a Rac-dependent manner, Involved in phagocytosis of apoptotic cells and cell motility via its interaction with DOCK1 and DOCK4, May regulate the EFNA5-EPHA3 signaling,
Cellular Localization	Cytoplasm
Post-translational Modifications	Phosphorylation of Crk-II (40 kDa) gives rise to a 42 kDa form, Isoform Crk-II is phosphorylated by KIT

St John's Laboratory Ltd

F +44 (0)207 681 2580
T +44 (0)208 223 3081

W <http://www.stjohnslabs.com/>
E info@stjohnslabs.com