Crk II (phospho Tyr221) rabbit pAb

Cat#: orb764323 (Manual)

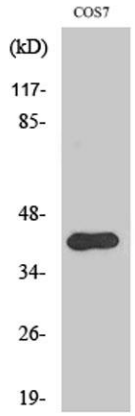
For research use only. Not intended for diagnostic use.

Product Name	Crk II (phospho Tyr221) rabbit pAb
Host species	Rabbit
Applications	WB;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat;Monkey
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human CrkII around the phosphorylation site of Tyr221. AA range:187-236
Specificity	Phospho-Crk II (Y221) Polyclonal Antibody detects endogenous levels of Crk II protein only when phosphorylated at Y221.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Adapter molecule crk
Gene Name	CRK
Cellular localization	Cytoplasm . Cell membrane . Translocated to the plasma membrane upon cell adhesion. .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal

Concentration	1 mg/ml
Observed band	40kD
Human Gene ID	1398
Human Swiss-Prot Number	P46108
Alternative Names	CRK; Adapter molecule crk; Proto-oncogene c-Crk; p38

Background

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. [provided by RefSeq, Jul 2008],



Western Blot analysis of various cells using Phospho-Crk II (Y221) Polyclonal Antibody

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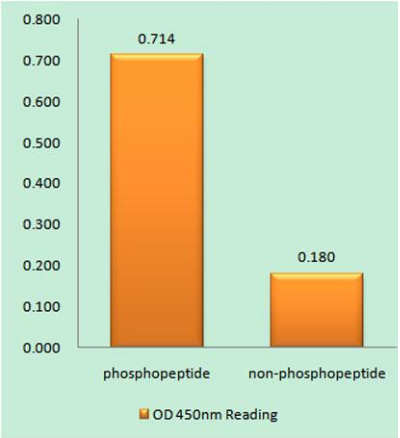
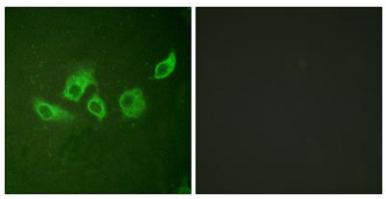
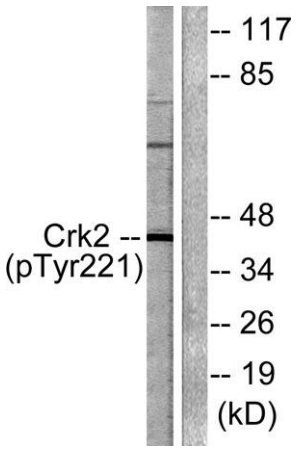


Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using CrkII (Phospho-Tyr221) Antibody



Immunofluorescence analysis of HUVEC cells, using CrkII (Phospho-Tyr221) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from COS7 cells, using CrkII (Phospho-Tyr221) Antibody. The lane on the right is blocked with the phospho peptide.

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