ELK Biotechnology

# Crk II (phospho Tyr221) rabbit pAb

## Cat No.:ES1448

**For research use only**

**Overview**

| | |
|---|---|
| **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 |

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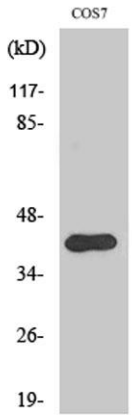
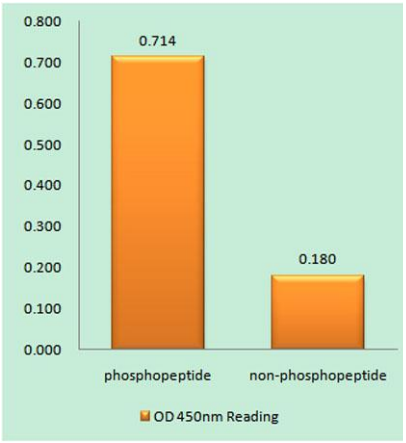
and SH3 domains (src-homology domains) and is involved in several signaling pathways, recruiting cytoplasmic proteins in the vicinity of tyrosine kinase through SH2-phosphotyrosine interaction. The N-terminal SH2 domain of this protein functions as a positive regulator of transformation whereas the C-terminal 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




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

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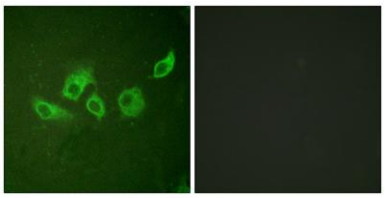
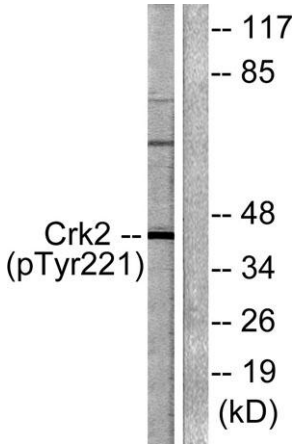
Immunofluorescence analysis of HUVEC cells, using CrkII (Phospho-Tyr221) Antibody. The picture on the right is blocked with the phospho peptide.






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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