



CrkII mouse mAb

Catalog No	YP-Ab-03463
Isotype	IgG
Reactivity	Human
Applications	WB
Gene Name	crk
Protein Name	
Immunogen	Purified recombinant human CrkII protein fragments expressed in E.coli.
Specificity	This antibody detects endogenous levels of CrkII and does not cross-react with related proteins.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Dilution	wb 1:1000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Adapter molecule crk;Avian sarcoma virus CT10 (v crk) oncogene homolog;CRK;CRK isoform 2;CRK isoform II;CRK_HUMAN;CRKII;FLJ38130;OTTHUMP00000115366;OTTHUMP00000198330;p38; Proto oncogene C crk;Proto-oncogene C-crk;v crk avian sarcoma virus CT10 oncogene homolog;v crk sarcoma virus CT10 oncogene homolog;v crk sarcoma virus CT10 oncogene homolog (avian).
Observed Band	34kD
Cell Pathway	Cytoplasm . Cell membrane . Translocated to the plasma membrane upon cell adhesion. .
Tissue Specificity	Embryonic lung,Epithelium,Eye,Lung,Placenta,
Function	domain:The C-terminal SH3 domain function as a negative modulator for transformation and the N-terminal SH3 domain appears to function as a positive regulator for transformation.,domain:The SH2 domain mediates interaction with SHB.,function:The Crk-I and Crk-II forms differ in their biological activities. Crk-II has less transforming activity than Crk-I. Crk-II 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.,PTM:Phosphorylated on Tyr-221 upon cell adhesion. Results in the negative regulation of the association with SH2- and



SH3-binding partners, possibly by the formation of an intramolecular interaction of phosphorylated Tyr-221 with the SH2 domain. This leads finally to the down-regulation of the Crk signaling pathway.,PTM:P

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],

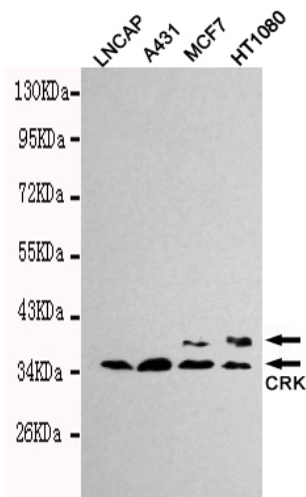
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot detection of CrkII in Lncap,A431,MCF7 and HT1080 cell lysates using CrkII mouse mAb (1:1000 diluted).Predicted band size: 34kDa.Observed band size: 34kDa.