

Crk II Mouse mAb

CatalogNo: YM1024

| Key Features

Host Species

- Mouse

Reactivity

- Human, Mouse, Dog, Rabbit

Applications

- WB

MW

- 34kD (Calculated)

| Recommended Dilution Ratios

WB 1:1000-1:2000

Not yet tested in other applications.

| Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

| Basic Information

Clonality Monoclonal

Clone Number 11G10

| Immunogen Information

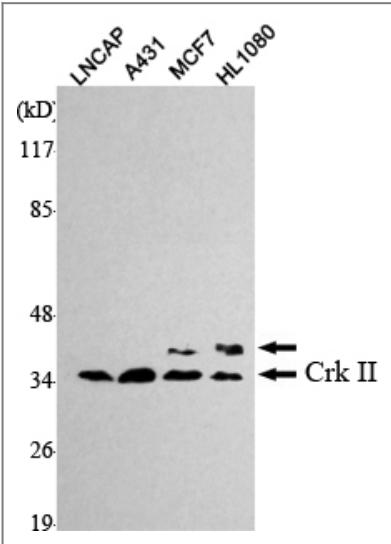
Immunogen Purified recombinant human Crk II protein fragments expressed in E.coli.

Specificity Crk II Monoclonal Antibody detects endogenous levels of Crk II protein.

| Target Information

Gene name	CRK		
Protein Name	Adapter molecule crk		
	Organism	Gene ID	UniProt ID
	Human	1398 ;	P46108 ;
	Mouse	12928 ;	Q64010 ;
	Rat	54245 ;	Q63768 ;
Cellular Localization	Cytoplasm . Cell membrane . Translocated to the plasma membrane upon cell adhesion. .		
Tissue specificity	Embryonic lung,Epithelium,Eye,Lung,Placenta,		
Function	<p>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:Phosphorylation of Crk-II (40 kDa) gives rise to a 42 kDa form.,similarity:Contains 1 SH2 domain.,similarity:Contains 1 SH3 domain.,similarity:Contains 2 SH3 domains.,subcellular location:Translocated to the plasma membrane upon cell adhesion.,subunit:Interacts with ABL1, C3G, SOS, MAP4K1, MAPK8 and DOCK3 via its first SH3 domain. Interacts with BCAR1, CBL, CBLB, PXN, IRS4 and GAB1 via its SH2 domain upon stimulus-induced tyrosine phosphorylation. Interacts with several tyrosine-phosphorylated growth factor receptors such as EGFR, PDGFR and INSR via its SH2 domain (By similarity). Interacts with DOCK1 and DOCK4. Interacts with SHB.,</p>		

| Validation Data



Western Blot analysis using Crk II Monoclonal Antibody against LNCAP, A431, MCF7, HL1080 cell lysate.

| Contact information

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Please scan the QR code
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product information:
Crk II Mouse mAb

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