

Product Name: CRK Mouse Monoclonal Antibody**Catalog #: AMM81030**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	IHC, ICC, ELISA, FC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2b
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	PBS containing 0.03% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	IHC 1:200-1:1000, ICC 1:200-1:1000, ELISA 1:5000-1:20000, FC 1:200-1:400
Molecular Weight	42kDa

Antigen Information

Gene Name	CRK
Alternative Names	CRKII
Gene ID	1398.0
SwissProt ID	P46108
Immunogen	Purified recombinant fragment of human CRK expressed in E. Coli.

Background

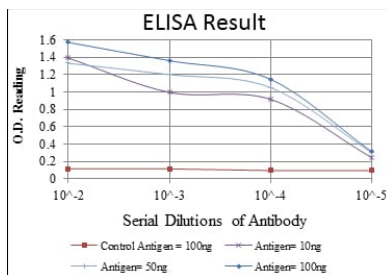
This gene encodes a member of an adapter protein family that binds to several tyrosine-phosphorylated proteins. The product of this gene has several SH2 and SH3 domains (src-homology domains) and is involved in several signaling pathways, recruiting cytoplasmic proteins in the vicinity of tyrosine kinase 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.

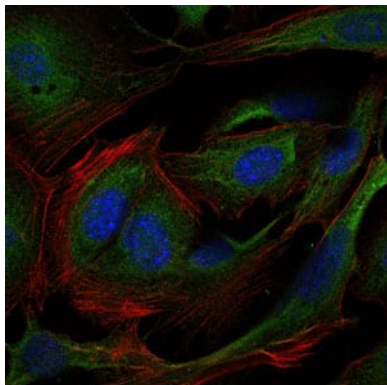
Research Area

MAPK signaling pathway

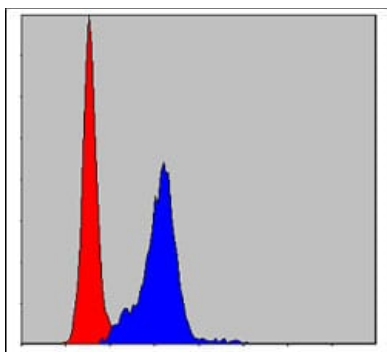
Image Data



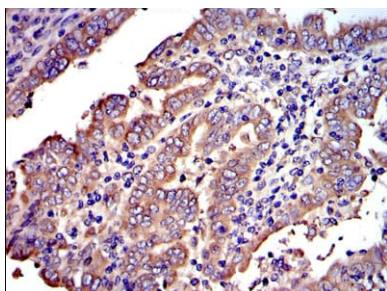
Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng);



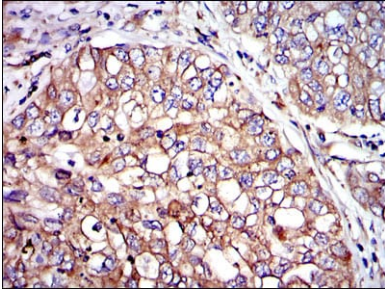
Immunofluorescence analysis of 3T3-L1 cells using CRK mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Flow cytometric analysis of HeLa cells using CRK mouse mAb (blue) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human intima cancer tissues using CRK mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissues using CRK mouse mAb with DAB staining.