Product Name: KD-Validated CRKII Recombinant Rabbit Monoclonal Antibody
Catalog #: KVAb00189
For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 33.8kDa

Antigen Information

Gene Name	CRK
Alternative Names	CRK; CRK Proto-Oncogene, Adaptor Protein; V-Crk Avian Sarcoma Virus CT10 Oncogene Homolog; Adapter Molecule Crk; Proto-Oncogene C-Crk; P38; V-Crk Sarcoma Virus CT10 Oncogene-Like Protein; CRKII
Gene ID	1398.0
SwissProt ID	P46108
Immunogen	A synthesized peptide derived from human CRKII

Background

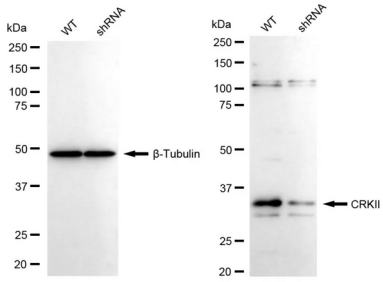
This gene encodes a member of an adapter protein family that binds to several tyrosine-phosphorylated proteins. The product of this gene has several SH2 and SH3 domains (src-homology domains) and is involved in several signaling pathways, recruiting

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]

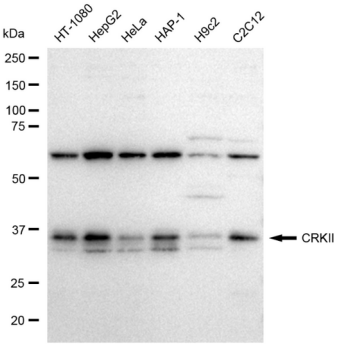
Research Area

Signal Transduction,Cancer

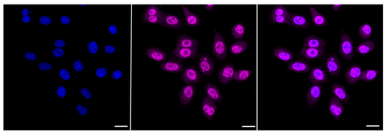
Image Data



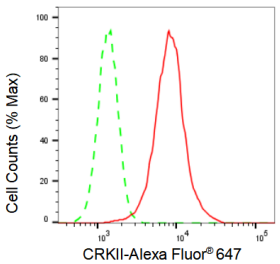
Western blotting analysis using CRKII antibody (KVAb00189). CRKII expression in wild type (WT) and CRKII shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with CRKII antibody (KVAb00189, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using CRKII antibody (KVAb00189). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with CRKII antibody (KVAb00189, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with CRKII antibody (KVAb00189, 1:1,000). Nuclei were stained blue with DAPI; CRKII was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar: 20 µm.



Flow cytometric analysis of CRKII expression in HepG2 cells using CRKII antibody (KVAb00189, 1:2,000). Green, isotype control; red, CRKII.