Anti-Phospho-CRK (Tyr221) Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R016110

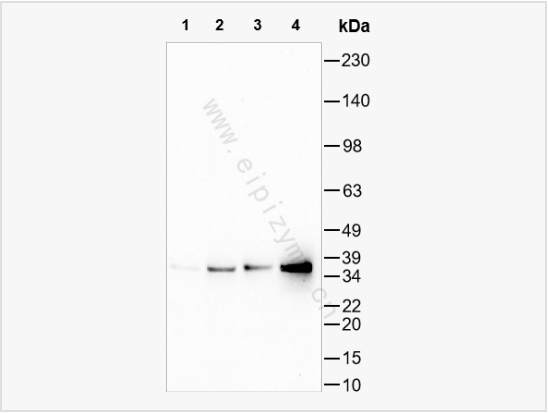
Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	12L43F75
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Phospho-CrkII (Tyr221)
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Phospho-CRK (Tyr221) Rabbit mAb [12L43F75] is for research use only and not for use in diagnostic or therapeutic procedures.

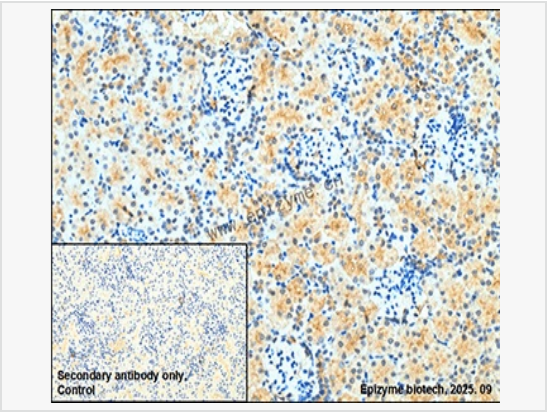
Protein Information

Synonyms	CRKII; p38; Crk-I; Crk-II; Crk-III; Crk3; CrkIII; Crko; c-Crk; CRK_HUMAN; CRK; Proto-oncogene c-Crk; Q96GA9_HUMAN; Q96HJ0_HUMAN; CRK_MOUSE; CRK_RAT.
Calculated MW	Calculated MW: 34 kDa; Observed MW: 38 kDa
Uniprot ID	P46108
Gene ID	1398
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]
Cellular Location	Cytoplasm Cell membrane Translocated to the plasma membrane upon cell adhesion.

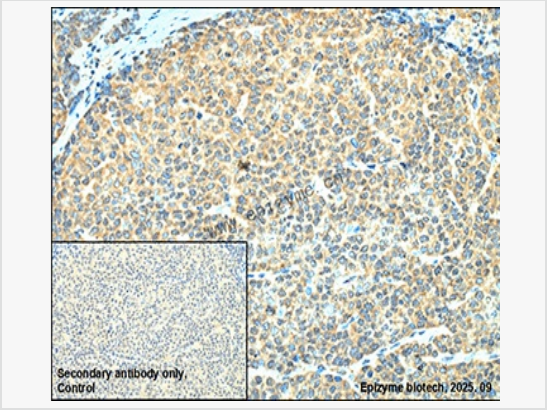
Validation Images



Western Blot - Anti-Phospho-CRK (Tyr221) Rabbit mAb [12L43F75]
All lanes: R016110 at 1:1,000 dilution
Lane 1: Untreated THP-1 (Human hepatocarcinoma epithelial cell) whole cell lysates
Lane 2: THP-1treated with 10nM insulin for 15min
Lane 3: Untreated PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates
Lane 4: PC-12 treated with 10nM insulin for 15min
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 34 kDa
Observed band size: 38 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-Phospho-CRK (Tyr221) Rabbit mAb [12L43F75]
Sample: Paraformaldehyde-fixed, paraffin embedded rat kidney tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R016110 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-Phospho-CRK (Tyr221) Rabbit mAb [12L43F75]
Sample: Paraformaldehyde-fixed, paraffin embedded human hepatoma tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R016110 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.