Datasheet for ABIN498832

anti-Crk antibody (pTyr221)

1 Image

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Overview

Quantity:	0.1 mg
Target:	Crk (CRK)
Binding Specificity:	pTyr221
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Crk antibody is un-conjugated
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Specificity:	This antibody detects endogenous levels of p-Crk2 protein only when phosphorylated at Try221.
Cross-Reactivity (Details):	Species reactivity (expected):Mouse and Rat. Species reactivity (tested):Human.
Purification:	Affinity chromatography
Purity:	> 95 % by SDS-PAGE

Target Details

Target:	Crk (CRK)
Alternative Name:	CRK (CRK Products)

Target Details

Background:	The Crk family of adapter proteins including Crk II, Crk I and Crk L consist mostly of SH2 and SH3 domains. Through the interactions between SH2 domain and phosphotyrosine residues and/or between SH3 domain and proline- rich motifs, they are involved in a variety of signaling cascades. Crk I and Crk II are encoded by the same gene, which undergoes alternative splicing to yield these two proteins, but differ in their biological activities. Crk II has less transforming activity than Crk I, although both Crk I and Crk II bind to many tyrosine-phosphorylated proteins that bind to GRB2. In addition, Crk II becomes rapidly tyrosine-phosphorylated in response to stimulation with insulin-like growth factor-I (IGFI) and might be involved in the IGF-I receptor signalling pathway. The gene encoding Crk I and II maps to human chromosome 17p13, a region which demonstrates frequent deletion or loss of heterozygosity in a wide range of human cancers.Synonyms: Adapter molecule crk, Proto-oncogene C-crk, p38
Molecular Weight:	approx. 42 kDa
Gene ID:	1398
NCBI Accession:	NP_005197
UniProt:	P46108
Pathways:	Neurotrophin Signaling Pathway, CXCR4-mediated Signaling Events, Signaling of Hepatocyte Growth Factor Receptor

Application Details

Application Notes:	Immunohistochemistry: 1/50 - 1/200. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

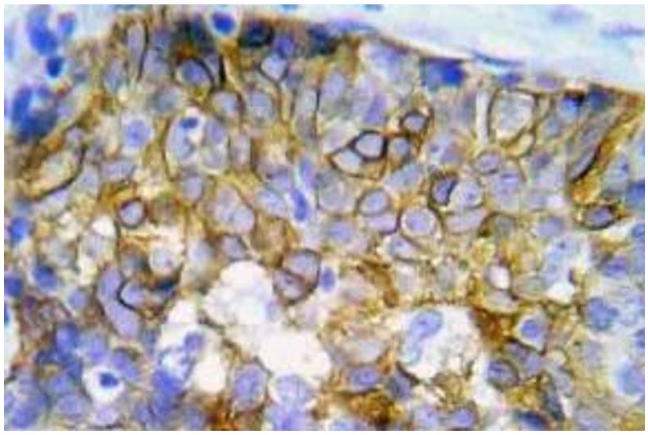
Handling

Concentration:	1,0 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.2., 0.05 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.

Handling

Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry (IHC) analyzes of p-Crk2 antibody in paraffin-embedded human lung adenocarcinoma tissue.