

Phospho-PTK2B (Tyr402) Antibody



PACO24481

Product Information

Size:

100ul

Reactivity:

Human, Mouse, Rat

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB, IHC, IF

Recommended dilutions:

ELISA:1:2000-1:10000, WB:1:500-1:1000,
IHC:1:50-1:100, IF:1:100-1:200

Protein Background:

Involved in calcium induced regulation of ion channel and activation of the map kinase signaling pathway. May represent an important signaling intermediate between neuropeptide activated receptors or neurotransmitters that increase calcium flux and the downstream signals that regulate neuronal activity. Interacts with the SH2 domain of Grb2. May phosphorylate the voltage-gated potassium channel protein Kv1.2. Its activation is highly correlated with the stimulation of c-Jun N-terminal kinase activity. Involved in osmotic stress-dependent SNCA 'Tyr-125' phosphorylation.

Gene ID:

PTK2B

Uniprot

Q14289

Synonyms:

FADK 2; FAK2; Focal adhesion kinase 2; PTK2B; Proline-rich tyrosine kinase 2 RAFTK

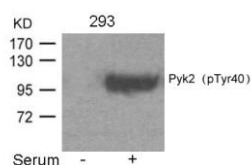
Immunogen:

Peptide sequence around phosphorylation site of tyrosine 402 (D-I-Y(p)-A-E) derived from Human Pyk2.

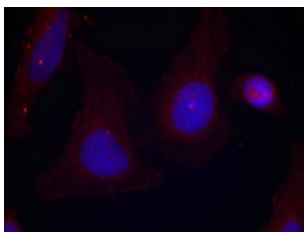
Storage:

Supplied at 1.0mg/mL in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

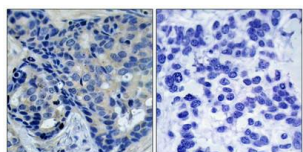
Product Images



Western blot analysis of extracts from 293 cells untreated or treated with Serum using Pyk2(Phospho-Tyr402) Antibody.



Immunofluorescence staining of methanol-fixed Hela cells using Pyk2(Phospho-Tyr402) Antibody.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Pyk2(Phospho-Tyr402) Antibody(left) or the same antibody preincubated with blocking peptide(right).