Phospho-PTK2B-Y402 pAb

Catalog No.	AP0214	**Category**	Phosphorylated Antibodies
Applications	WB, IHC, IF	**Observed MW**	116kDa
Cross-reactivity	Human, Mouse, Rat	**Calculated MW**	111kDa/115kDa

Immunogen Information

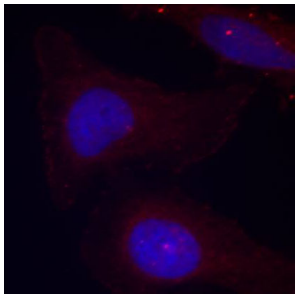
Immunogen	A phospho specific peptide corresponding to residues surrounding Y402 of human PTK2B
Gene ID	2185
Swiss prot	Q14289
Synonyms	PTK2B; CADTK; CAKB; FADK2; FAK2; PKB; PTK; PYK 2; RAFTK; protein-tyrosine kinase 2-beta

Product information

Source	Rabbit
Isotype	IgG
Purification method	Affinity purification
Storage	Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Background

This gene encodes a cytoplasmic protein tyrosine kinase which is involved in calcium-induced regulation of ion channels and activation of the map kinase signaling pathway. The encoded protein may represent an important signaling intermediate between neuropeptide-activated receptors or neurotransmitters that increase calcium flux and the downstream signals that regulate neuronal activity. The encoded protein undergoes rapid tyrosine phosphorylation and activation in response to increases in the intracellular calcium concentration, nicotinic acetylcholine receptor activation, membrane depolarization, or protein kinase C activation. This protein has been shown to bind CRK-associated substrate, nephrocystin, GTPase regulator associated with FAK, and the SH2 domain of GRB2. The encoded protein is a member of the FAK subfamily of protein tyrosine kinases but lacks significant sequence similarity to kinases from other subfamilies. Four transcript variants encoding two different isoforms have been found for this gene.



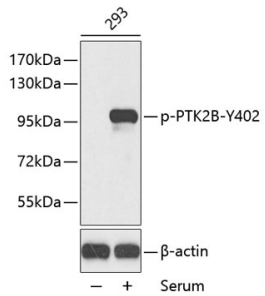
Immunofluorescence - Phospho-PTK2B-Y402 pAb (AP0214)

Recommended Dilutions

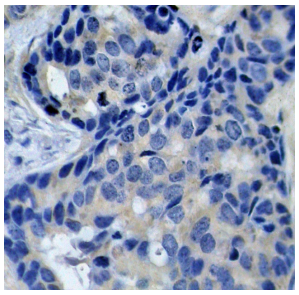
WB 1:500 - 1:2000

IHC 1:50 - 1:100

IF 1:100 - 1:200



Western blot - Phospho-PTK2B-Y402 pAb (AP0214)



Immunohistochemistry - Phospho-PTK2B-Y402 pAb (AP0214)

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