

Rabbit Anti-PTK2 Polyclonal Antibody

CPB-986RH Rabbit(PTK2)

Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview	Rabbit Anti-PTK2 Polyclonal Antibody
Antigen Description	Non-receptor protein-tyrosine kinase implicated in signaling pathways involved in cell motility, proliferation and apoptosis. Activated by tyrosine-phosphorylation in response to either integrin clustering induced by cell adhesion or antibody cross-linking, or via G-protein coupled receptor (GPCR) occupancy by ligands such as bombesin or lysophosphatidic acid, or via LDL receptor occupancy. Plays a potential role in oncogenic transformations resulting in increased kinase activity.
specificity	The antibody detects endogenous level of total PTK2 protein.
Target	PTK2
Immunogen	Peptide sequence around aa. 859~863 (H-I-Y-Q-P) derived from Human PTK2.
Host	Rabbit
Species	Human
Cross Reactivity	Human; Mouse; Rat
conjugation	N/A
Applications	WB,IHC

PACKAGING

Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C /1 year

ANTIGEN GENE INFORMATION

Gene Name	PTK2 PTK2 protein tyrosine kinase 2 [Homo sapiens]
Official Symbol	PTK2
Synonyms	PTK2; PTK2 protein tyrosine kinase 2; focal adhesion kinase 1; FADK; FAK; FAK1; PPP1R71; protein phosphatase 1; regulatory subunit 71; FADK 1; FAK-related non-kinase polypeptide; focal adhesion kinase-related nonkinase; protein phosphatase 1 regulatory subunit 71; protein phosphatase 1, regulatory subunit 71; FRNK; p125FAK; pp125FAK;
GeneID	5747
mRNA Refseq	NM_001199649
Protein Refseq	NP_001186578
MIM	600758
UniProt ID	Q05397
Chromosome Location	8q24.3

Pathway	Alpha6-Beta4 Integrin Signaling Pathway, organism-specific biosystem; Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem; Apoptosis, organism-specific biosystem; Apoptotic cleavage of cellular proteins, organism-specific biosystem; Apoptotic executionphase, organism-specific biosystem; Axon guidance, organism-specific biosystem;
Function	ATP binding; JUN kinase binding; SH2 domain binding; binding; non-membrane spanning protein tyrosine kinase activity; nucleotide binding; protein binding; protein kinase activity; protein kinase binding; protein tyrosine kinase activity; signal transducer activity;