



## Anti-PTK2 (aa 355-490) polyclonal antibody (DPAB-DC2586)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Antigen Description</b>	This gene encodes a cytoplasmic protein tyrosine kinase which is found concentrated in the focal adhesions that form between cells growing in the presence of extracellular matrix constituents. The encoded protein is a member of the FAK subfamily of protein tyrosine kinases but lacks significant sequence similarity to kinases from other subfamilies. Activation of this gene may be an important early step in cell growth and intracellular signal transduction pathways triggered in response to certain neural peptides or to cell interactions with the extracellular matrix. Several transcript variants encoding different isoforms have been found for this gene, but the full-length natures of only three of them have been determined.
<b>Immunogen</b>	PTK2 (AAH28733, 355 a.a. ~ 490 a.a) partial recombinant protein with GST tag. The sequence is EGFYPSPQHMVQTNHYQVSGYPGSHGITAMAGSIYPGQASLLDQTDSWNHRPQEIAMWQP NVEDSTVLDLRGIGQVLPTHLMEERLIRQQQEMEEDQRWLEKEERFLKPDVRLSRGSIDR EDGSLQGPIGNQHIYQ
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

# GENE INFORMATION

Gene Name	<a href="#">PTK2 protein tyrosine kinase 2 [ Homo sapiens (human) ]</a>
Official Symbol	PTK2
Synonyms	PTK2; protein tyrosine kinase 2; FAK; FADK; FAK1; FRNK; PPP1R71; p125FAK; pp125FAK; focal adhesion kinase 1; FADK 1; PTK2 protein tyrosine kinase 2; FAK-related non-kinase polypeptide; focal adhesion kinase isoform FAK-Del33; focal adhesion kinase-related nonkinase; protein phosphatase 1 regulatory subunit 71; protein phosphatase 1, regulatory subunit 71;
Entrez Gene ID	<a href="#">5747</a>
Protein Refseq	<a href="#">NP_001186578</a>
UniProt ID	<a href="#">Q05397</a>
Chromosome Location	8q24.3
Pathway	Alpha6-Beta4 Integrin Signaling Pathway; Androgen receptor signaling pathway; Apoptosis; Apoptotic execution phase
Function	ATP binding; JUN kinase binding; SH2 domain binding; actin binding