

Datasheet: VPA00237

BATCH NUMBER 151204

Description:	RABBIT ANTI PTK2B
Specificity:	PTK2B
Format:	Purified
Product Type:	PrecisionAb Polyclonal
Isotype:	Polyclonal IgG
Quantity:	100 µl

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/1000

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Rabbit polyclonal antibody purified by affinity chromatography
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Immunogen	KLH conjugated synthetic peptide between 805-838 amino acids from the C-terminal region of human PTK2B

External Database Links

UniProt:

[Q14289](#)

[Related reagents](#)

Entrez Gene:[2185](#) PTK2B [Related reagents](#)

Synonyms FAK2, PYK2, RAFTK

Specificity **Rabbit anti Human PTK2B antibody** recognizes protein-tyrosine kinase 2-beta, also known as CAK-beta, FADK 2, calcium-dependent tyrosine kinase, calcium-regulated non-receptor proline-rich tyrosine kinase, cell adhesion kinase beta, focal adhesion kinase 2, proline-rich tyrosine kinase 2, protein kinase B and related adhesion focal tyrosine kinase.

Encoded by the PTK2B gene, protein-tyrosine kinase 2-beta is a cytoplasmic protein tyrosine kinase which is involved in calcium-induced regulation of ion channels and activation of the map kinase signaling pathway. This 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. Protein-tyrosine kinase 2-beta 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. It has been shown to bind CRK-associated substrate, nephrocystin, GTPase regulator associated with FAK, and the SH2 domain of GRB2. Protein-tyrosine kinase 2-beta 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 PTK2B (provided by RefSeq, Jul 2008).

Rabbit anti Human PTK2B antibody detects a band of 116 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting Anti PTK2B detects a band of approximately 116 kDa in Raji cell lysates

Storage Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

Guarantee 12 months from date of despatch

Acknowledgements PrecisionAb is a trademark of Bio-Rad Laboratories.

Health And Safety Information Material Safety Datasheet documentation #10040 available at: Antibody (10040): <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](#)

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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