

Datasheet: AHP2743

BATCH NUMBER 148753

Description:	RABBIT ANTI PTK2B (pTyr402)
Specificity:	PTK2B (pTyr402)
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	50 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	▪			1/500 - 1/2000

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
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Product Form	Purified IgG - liquid
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Antiserum Preparation	Antiserum to PTK2B (pTyr402) was raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.
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Buffer Solution	Phosphate buffered saline
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Preservative Stabilisers	0.02% Sodium Azide 50% Glycerol
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Immunogen	A phospho specific peptide corresponding to residues surrounding tyrosine 402 of human PTK2B
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External Database Links

UniProt:
[Q14289](https://www.uniprot.org/entry/Q14289) [Related reagents](#)

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

Synonyms	FAK2, PYK2, RAFTK
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Specificity	Rabbit anti PTK2B (pTyr402) antibody recognizes protein-tyrosine kinase 2-beta, also known as CADTK, CAKB, FADK 2, PYK2, when phosphorylated at tyrosine 402. It is a non-receptor tyrosine kinase that regulates cell migration and mediates transfer of signals from the cell surface to the cytoskeleton (Duong et al. 2001 , Avraham et al. 2000). Lysophosphatidic acid (LPA) and bradykinin induce tyrosine phosphorylation of PTK2B (Dikic et al. 1996). Phosphorylation of PTK2B on tyrosine 402 is important for binding with SH2 domain of SRC (Dikic et al. 1996). In Jurkat T cells, tyrosine 402 is involved in interleukin-2 production (Katagiri et al. 2000).
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Western Blotting	Rabbit anti PTK2B (pTyr402) antibody detects a band of approximately 116 kDa in HEK293 cell lysate under reducing conditions
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Storage	Store at -20°C Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
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Guarantee	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #10049 available at: https://www.bio-rad-antibodies.com/SDS/AHP2743 10049
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

- Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
- Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
- Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
- Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

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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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