

Datasheet: AHP2743

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

Product Form Purified IgG - liquid

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.

Buffer Solution Phosphate buffered saline

Preservative 0.02% Sodium Azide
Stabilisers 50% Glycerol

Immunogen A phospho specific peptide corresponding to residues surrounding tyrosine 402 of human PTK2B

External Database Links

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

Entrez Gene:
[2185](https://www.ncbi.nlm.nih.gov/gene/2185) PTK2B [Related reagents](#)

Synonyms FAK2, PYK2, RAFTK

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](#)).

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: 10049: https://www.bio-rad-antibodies.com/uploads/MSDS/10049.pdf
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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](#)
- Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
- Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
- Sheep Anti Rabbit IgG (STAR36...) [DyLight@488](#), [DyLight@680](#), [DyLight@800](#)

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
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Printed on 01 May 2020