

Datasheet: AHP2725

BATCH NUMBER 158907

Description:	RABBIT ANTI PTK6
Specificity:	PTK6
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

Species Cross Reactivity

Reacts with: Rat, Mouse

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - liquid

Antiserum Preparation

Antiserum to PTK6 was raised by repeated immunization of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.02% Sodium Azide
50% Glycerol

Immunogen Recombinant fusion protein containing a sequence corresponding to amino acids 222-451 of human PTK6

External Database Links

UniProt:

[Q13882](#) [Related reagents](#)

Entrez Gene:

[5753](#) PTK6 [Related reagents](#)

Synonyms BRK

Specificity **Rabbit anti PTK6 antibody** recognizes protein-tyrosine kinase 6, also known as breast tumor kinase and tyrosine-protein kinase BRK. PTK6 is a nonreceptor tyrosine kinase that is evolutionarily related to the FRK family of kinases and more distantly to the SRC family of tyrosine kinases ([Qui and Miller 2002](#), [Brauer and Tyner 2010](#)). It controls various signaling pathways involved in the differentiation and maintenance of normal epithelia (Brauer and Tyner 2010). PTK6 substrates include AKT ([Zhang et al. 2005](#)), SLM1 and SLM2 ([Haegebarth et al. 2004](#)), STAT3 ([Liu et al. 2006](#)), STAT5b ([Weaver and Silva 2007](#)). PTK6 is coamplified and coexpressed with ErbB2 in human breast cancers to promote proliferation ([Xiang et al. 2008](#)).

Western Blotting Rabbit anti PTK6 antibody detects a band of approximately 60 kDa in various cell and tissue lysates under reducing conditions

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.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10049 available at: <https://www.bio-rad-antibodies.com/SDS/AHP2725>
10049

Regulatory For research purposes only

Related Products

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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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