

## Datasheet: AHP2725

<b>Description:</b>	RABBIT ANTI PTK6
<b>Specificity:</b>	PTK6
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://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

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**External Database****Links****UniProt:**[Q13882](#)[Related reagents](#)**Entrez Gene:**[5753](#)

PTK6

[Related reagents](#)

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**Synonyms**

BRK

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**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](#)).

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**Western Blotting**

Rabbit anti PTK6 antibody detects a band of approximately 60 kDa in various cell and tissue lysates 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/AHP2725>  
10049

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**Regulatory**

For research purposes only

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## Related Products

**North & South America**

Tel: +1 800 265 7376

Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto: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](mailto: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](mailto:antibody_sales_de@bio-rad.com)

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