

## 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:  
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

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