

## Datasheet: VPA00771KT

<b>Description:</b>	PHOSPHODIESTERASE 4D ANTIBODY WITH CONTROL LYSATE
<b>Specificity:</b>	PHOSPHODIESTERASE 4D
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb™ Polyclonal
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	2 Westerns

## 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	■			1/1000

**PrecisionAb antibodies have been extensively [validated for the western blot application](#).** The antibody has been validated at the suggested dilution. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependant on sample type.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	20µl Rabbit polyclonal antibody purified by affinity chromatography on immunogen
<b>Buffer Solution</b>	TRIS buffered glycine
<b>Preservative</b>	0.01% Thiomersal
<b>Stabilisers</b>	<10% Glycerol
<b>Immunogen</b>	KLH conjugated synthetic peptide corresponding to a portion of the C terminal region of human phosphodiesterase 4D
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q08499</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">5144</a>    PDE4D    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	DPDE3
<b>Specificity</b>	<b>Rabbit anti Human phosphodiesterase 4D antibody</b> recognizes phosphodiesterase 4D, also known as cAMP-specific 3',5'-cyclic phosphodiesterase 4D.

This gene encodes one of four mammalian counterparts to the fruit fly 'dunce' gene. The encoded protein has 3',5'-cyclic-AMP phosphodiesterase activity and degrades cAMP, which acts as a signal transduction molecule in multiple cell types. This gene uses different promoters to generate multiple alternatively spliced transcript variants that encode functional proteins (provided by RefSeq, Sep 2009).

Rabbit anti phosphodiesterase 4D antibody detects a band of 91 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

---

<b>Western Blotting</b>	Anti phosphodiesterase 4D antibody recognizes a band of approximately 91 kDa in HeLa cell lysates
-------------------------	---

---

<b>Instructions For Use</b>	Please refer to the <a href="#">PrecisionAb western blotting protocol</a> . For additional information on secondary antibody dilution and exposure time see product web page.
-----------------------------	---

---

<b>Lysate Composition</b>	400µg HeLa lysate lyophilized in RIPA buffer
---------------------------	--

---

<b>Lysate Reconstitution</b>	- If using DDT reconstitute the lyophilized lysate with 190µl DI H <sub>2</sub> O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT. - If using BME reconstitute the lyophilized lysate with 180µl DI H <sub>2</sub> O, add 200µl 2x Laemmli Sample Buffer and 20µl BME. Heat at 95°C for 5 minutes. For 10 well mini gels load 25µl. For other gel and comb formats please refer to the PrecisionAb western blotting protocol.
------------------------------	---

---

<b>Storage</b>	Antibody: Store undiluted at -20°C, avoiding repeated freeze thaw cycles.  Lysate: Store lyophilized lysate at -20°C. After reconstitution aliquot and store at -20°C for up to 3 months or at -80°C for longer term storage.
----------------	---

---

<b>Guarantee</b>	As supplied, 12 months from date of despatch.
------------------	---

---

<b>Acknowledgements</b>	PrecisionAb™ is a trademark of Bio-Rad Laboratories.
-------------------------	--

---

<b>Health And Safety Information</b>	Material Safety Datasheet documentation #20357 #10561 available at: Antibody (20357): <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/20357.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/20357.pdf</a> Lysate Material (10561): <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf</a>
--------------------------------------	--

---

<b>Regulatory</b>	For research purposes only
-------------------	----------------------------

---

## Related Products

### Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](#)

**North & South** Tel: +1 800 265 7376

**America** 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)

'M337991:181217'

Printed on 16 Mar 2019

