



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Product Number	ARP56256_P050-HRP
Product Page	<a href="http://www.avivasysbio.com/pde4b-antibody-middle-region-hrp-arp56256-p050-hrp.html">www.avivasysbio.com/pde4b-antibody-middle-region-hrp-arp56256-p050-hrp.html</a>
Name	PDE4B Antibody - middle region : HRP (ARP56256_P050-HRP)
Protein Size (# AA)	564 amino acids
Molecular Weight	64kDa
Conjugation	HRP: Horseradish Peroxidase
NCBI Gene Id	5142
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Phosphodiesterase 4B, cAMP-specific
Alias Symbols	DPDE4, PDEIVB
Peptide Sequence	Synthetic peptide located within the following region: <a href="#">QDILDTLEDNRNWWYQSMIPQSPPLDEQNRDCQGLMEKFQFELTLDEED</a>
Product Format	Liquid. Purified antibody is supplied in high phosphate PBS, 100 mM phosphate, 150 mM NaCl, pH 7.6.
Reference	Fatemi,S.H., Schizophr. Res. 101 (1-3), 36-49 (2008)
Description of Target	The specific function of this protein remains unknown. This gene is a member of the type IV, cyclic AMP (cAMP)-specific, cyclic nucleotide phosphodiesterase (PDE) family. Cyclic nucleotides are important second messengers that regulate and mediate a number of cellular responses to extracellular signals, such as hormones, light, and neurotransmitters. The cyclic nucleotide phosphodiesterases (PDEs) regulate the cellular concentrations of cyclic nucleotides and thereby play a role in signal transduction. This gene encodes a protein that specifically hydrolyzes cAMP. Altered activity of this protein has been associated with schizophrenia and bipolar affective disorder. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.
Protein Interactions	MAGEA11; RCBTB2; APOA1; ALB; PAFAH1B1; UBC; DISC1; PRKACA;
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for <a href="#">anti-PDE4B (ARP56256_P050-HRP) antibody</a>
Blocking Peptide	For anti-PDE4B (ARP56256_P050-HRP) antibody is <a href="#">Catalog # AAP56256</a> (Previous Catalog # AAPP38223)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human PDE4B
Uniprot ID	<a href="#">Q5TEK5</a>
Protein Name	Phosphodiesterase 4B, cAMP-specific (Phosphodiesterase E4 dunce homolog, Drosophila) EMBL CAI21750.1
Protein Accession #	<a href="#">NP_001032416</a>
Purification	Affinity Purified
Nucleotide Accession #	<a href="#">NM_001037339</a>
Gene Symbol	<a href="#">PDE4B</a>
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Pig, Rabbit
Application	WB
Predicted Homology Based on Immunogen Sequence	Cow: 100%; Dog: 100%; Guinea Pig: 83%; Horse: 100%; Human: 100%; Mouse: 86%; Pig: 100%; Rabbit: 93%; Rat: 93%

**Image 1**



AVIVA SYSTEMS BIOLOGY manufactures and sells quality antibody products covering genome wide proteins.

This product is for Research Use Only. Not for diagnostic, human, or veterinary use.

Optimal conditions of its use should be determined by end users.

---

AVIVA SYSTEMS BIOLOGY

6370 Nancy Ridge Dr., Suite 104, San Diego, CA 92121 USA | Tel: (858)552-6979 | [info@avivasysbio.com](mailto:info@avivasysbio.com)