



# 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	ARP55034_P050-HRP
Product Page	<a href="http://www.avivasysbio.com/optc-antibody-c-terminal-region-hrp-arp55034-p050-hrp.html">www.avivasysbio.com/optc-antibody-c-terminal-region-hrp-arp55034-p050-hrp.html</a>
Name	OPTC Antibody - C-terminal region : HRP (ARP55034_P050-HRP)
Protein Size (# AA)	332 amino acids
Molecular Weight	35kDa
Conjugation	HRP: Horseradish Peroxidase
NCBI Gene Id	26254
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Opticin
Alias Symbols	OPT
Peptide Sequence	Synthetic peptide located within the following region: <a href="#">LSDNLLDSIPGPLPLSLRSVHLQNNLIETMQRDVFCDPPEEHKHTRRQLED</a>
Product Format	Liquid. Purified antibody is supplied in high phosphate PBS, 100 mM phosphate, 150 mM NaCl, pH 7.6.
Reference	Kumar,A., (er) Mol. Vis. 13, 667-676 (2007)
Description of Target	Opticin belongs to class III of the small leucine-rich repeat protein (SLRP) family. Members of this family are typically associated with the extracellular matrix. Opticin is present in significant quantities in the vitreous of the eye and also localizes to the cornea, iris, ciliary body, optic nerve, choroid, retina, and fetal liver. Opticin may noncovalently bind collagen fibrils and regulate fibril morphology, spacing, and organization. The opticin gene is mapped to a region of chromosome 1 that is associated with the inherited eye diseases age-related macular degeneration (AMD) and posterior column ataxia with retinosa pigmentosa (AXPC1). Opticin belongs to class III of the small leucine-rich repeat protein (SLRP) family. Members of this family are typically associated with the extracellular matrix. Opticin is present in significant quantities in the vitreous of the eye and also localizes to the cornea, iris, ciliary body, optic nerve, choroid, retina, and fetal liver. Opticin may noncovalently bind collagen fibrils and regulate fibril morphology, spacing, and organization. The opticin gene is mapped to a region of chromosome 1 that is associated with the inherited eye diseases age-related macular degeneration (AMD) and posterior column ataxia with retinosa pigmentosa (AXPC1).
Protein Interactions	OSGEP; OPTC;
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-OPTC (ARP55034_P050-HRP) antibody</a>
Blocking Peptide	For anti-OPTC (ARP55034_P050-HRP) antibody is <a href="#">Catalog # AAP55034</a> (Previous Catalog # AAPP32295)
Immunogen	The immunogen is a synthetic peptide directed towards the C terminal region of human OPTC
Uniprot ID	<a href="#">Q9UBM4</a>
Protein Name	Opticin
Protein Accession #	<a href="#">NP_055174</a>
Purification	Affinity Purified
Nucleotide Accession #	<a href="#">NM_014359</a>
Gene Symbol	<a href="#">OPTC</a>

<b>Predicted Species Reactivity</b>	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Pig, Rabbit, Zebrafish
<b>Application</b>	WB
<b>Predicted Homology Based on Immunogen Sequence</b>	Cow: 77%; Dog: 100%; Guinea Pig: 85%; Horse: 92%; Human: 100%; Mouse: 85%; Pig: 100%; Rabbit: 92%; Rat: 100%; Zebrafish: 83%
<b>Image 1</b>	 A schematic diagram of a Y-shaped antibody molecule, consisting of two heavy chains and two light chains, represented by thick black lines.

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.

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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)