



Rabbit Anti-Opticin antibody

SL19647R

Product Name:	Opticin
Chinese Name:	Opticin蛋白抗体
Alias:	Ocuglycan; OPT; OPT_HUMAN; OPTC; Opticin.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,Horse,Rabbit,Guinea Pig,Cat,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	37kDa
Cellular localization:	Secretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Opticin:201-300/332
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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). [provided by RefSeq, Jul 2008]

Function:

Binds collagen fibrils.

Subcellular Location:

Secreted > extracellular space > extracellular matrix. Entrez Gene: 26254 Human Entrez Gene: 269120 Mouse Entrez Gene: 304802 Rat Omim: 605127 Human SwissProt: Q9UBM4 Human SwissProt: Q920A0 Mouse Unigene: 632468 Human Unigene: 59985 Mouse

Tissue Specificity:

Retina, iris, ligament, skin and fetal liver.

Post-translational modifications:

O-glycosylated.

Similarity:

Belongs to the small leucine-rich proteoglycan (SLRP) family. SLRP class III subfamily. Contains 6 LRR (leucine-rich) repeats. Contains 1 LRRNT domain.

SWISS:

Q9UBM4

Gene ID:

26254

Database links:

[Entrez Gene: 26254](#) Human

[Entrez Gene: 269120](#) Mouse

[Entrez Gene: 304802](#) Rat

[Omim: 605127](#) Human

[SwissProt: Q9UBM4](#) Human

[SwissProt: Q920A0](#) Mouse

[Unigene: 632468](#) Human

[Unigene: 59985](#) Mouse

	<p>Important Note:</p>
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This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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