

**OPTC Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP50733****Specification**

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**OPTC Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB                     |
| Primary Accession | <a href="#">Q9UBM4</a> |
| Reactivity        | Human, Mouse, Rat      |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Calculated MW     | 37 KDa                 |
| Antigen Region    | 269-329                |

**OPTC Antibody - Additional Information****Gene ID** 26254**Other Names**

Opticin, Oculoglycan, OPTC, OPT

**Dilution**

WB~~ 1:1000

**Storage**

Store at -20 °C.Stable for 12 months from date of receipt

**OPTC Antibody - Protein Information****Name** OPTC**Synonyms** OPT**Function**

Inhibits angiogenesis in the vitreous humor of the eye, and therefore represses neovascularization (By similarity). Binds collagen fibrils (By similarity). May be involved in collagen fiber organization via regulation of other members of the small leucine-rich repeat proteoglycan superfamily (By similarity).

**Cellular Location**

Secreted, extracellular space, extracellular matrix

**Tissue Location**

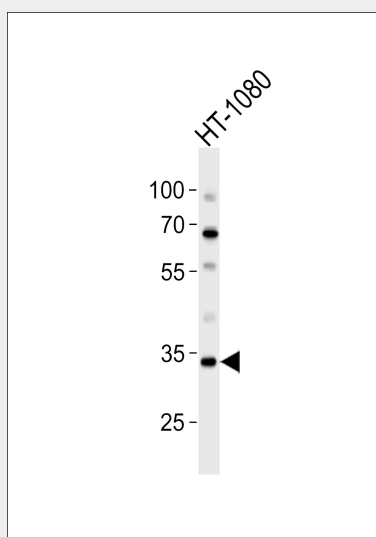
Expressed in cartilage and synovial membranes (at protein level) (PubMed:18164633, PubMed:23845380). Expressed in the retina, iris, ligament, skin and fetal liver (at protein level) (PubMed:12019215, PubMed:25136834). Expressed in the retinal pigment epithelium (at protein level) (PubMed:25136834). Expressed in synovial fibroblasts and subchondral bone osteoblasts (PubMed:18164633)

## OPTC Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## OPTC Antibody - Images



Western blot analysis of lysate from HT-1080 cell line, using OPTC Antibody was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.

## OPTC Antibody - Background

Binds collagen fibrils (By similarity).

## OPTC Antibody - References

- Reardon A.J., et al. J. Biol. Chem. 275:2123-2129(2000).  
Hobby P., et al. Mol. Vis. 6:72-78(2000).  
Friedman J.S., et al. Invest. Ophthalmol. Vis. Sci. 41:2059-2066(2000).  
Friedman J.S., et al. Hum. Mol. Genet. 11:1333-1342(2002).  
Gregory S.G., et al. Nature 441:315-321(2006).