

Anti-Opticin Antibody

Catalog # AP50733

Product Information

Application	WB
Primary Accession	Q9UBM4
Reactivity	Human, Mouse, Rat, Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	37261

Additional Information

Gene ID	26254
Other Names	OPT; Opticin; Oculoglycan
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human Opticin. The exact sequence is proprietary.
Dilution	WB~~ 1:1000
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C. Stable for 12 months from date of receipt

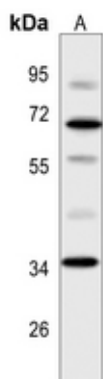
Protein Information

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)

References

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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).

Images



Western blot analysis of Opticin expression in HT1080 (A) whole cell lysates. (Predicted band size: 37 kD; Observed band size: 35 kD)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.