

Rabbit OPTC Polyclonal Antibody | anti-OPTC antibody

OPTC Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284699	Rabbit	Human, mouse, rat	ELISA, Western Blot

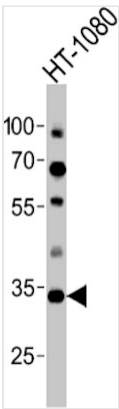
PRODUCT SYNONYMS

OPTC; Polyclonal Antibody; OPTC Antibody; Opticin; Oculoglycan; OPT; anti-OPTC antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse, rat
Clonality	Polyclonal
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Sequence Positions	269-329
Sequence Length	332
Applicable Applications for anti-OPTC antibody	ELISA, WB (Western Blot)
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) Provided below are standard protocols that you may find useful for product applications.
Preparation and Storage	Store at -20°C.Stable for 12 months from date of receipt

IMAGES



WB (Western Blot)
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.

ADDITIONAL INFORMATION

Related Product Information for anti-OPTC antibody	Binds collagen fibrils (By similarity).
Product Categories/Family for anti-OPTC antibody	Signal Transduction
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).

NCBI AND UNIPROT INFORMATION

NCBI GI #	7657419
NCBI GeneID	26254
NCBI Accession #	NP_055174.1
NCBI GenBank Nucleotide #	NM_014359.3
UniProt Accession #	Q9UBM4 ; Q5T2G4
Molecular Weight	37kDa
NCBI Official Full Name	opticin
NCBI Official Synonym Full Names	opticin
NCBI Official Symbol	OPTC
NCBI Official Synonym Symbols	OPT
NCBI Protein Information	opticin
UniProt Protein Name	Opticin
UniProt Gene Name	OPTC
UniProt Synonym Gene Names	OPT
UniProt Entry Name	OPT_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/optc-antibody-western-blot-elisa/284699>