

Datasheet for ABIN7601300
anti-OPTC antibody (AA 32-250)



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Overview

Quantity:	100 µg
Target:	OPTC
Binding Specificity:	AA 32-250
Reactivity:	Human, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OPTC antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Anti-OPTC Antibody Picoband®
Immunogen:	E.coli-derived human OPTC recombinant protein (Position: E32-Q250).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-OPTC Antibody Picoband® (ABIN7601300). Tested in ELISA, WB applications. This antibody reacts with Human, Monkey. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	OPTC
Alternative Name:	OPTC (OPTC Products)
Background:	<p>Synonyms: One cut domain family member 2, Hepatocyte nuclear factor 6-beta, HNF-6-beta, One cut homeobox 2, Transcription factor ONECUT-2, OC-2, ONECUT2, HNF6B</p> <p>Tissue Specificity: Predominantly expressed in testis and placenta as well as in many cell lines, including epithelial cell lines.</p> <p>Background: Opticin is a protein that in humans is encoded by the OPTC gene. 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).</p>
Molecular Weight:	37 kDa
Gene ID:	26254

Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human, Monkey</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Friedman, J. S., Faucher, M., Hiscott, P., Biron, V. L., Malenfant, M., Turcotte, P., Raymond, V., Walter, M. A. Protein localization in the human eye and genetic screen of opticin. Hum. Molec. Genet. 11: 1333-1342, 2002. 2. Reardon, A. J., Le Goff, M., Briggs, M. D., McLeod, D., Sheehan, J. K., Thornton, D. J., Bishop, P. N. Identification in vitreous and molecular cloning of opticin, a novel member of the family of leucine-rich repeat proteins of the extracellular matrix. J. Biol. Chem. 275: 2123-2129, 2000.</p>
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL

Handling

Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.