

Datasheet for ABIN2786017  
**anti-OPTC antibody (C-Term)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	100 µL
Target:	OPTC
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse, Pig, Dog, Guinea Pig, Cow, Horse, Rabbit, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OPTC antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human OPTC
Sequence:	LSDNLLDSIP GPLPLSLRSV HLQNNLIETM QRDVFCDP EE HKHTRRQLED
Predicted Reactivity:	Cow: 77%, Dog: 100%, Guinea Pig: 85%, Horse: 92%, Human: 100%, Mouse: 85%, Pig: 100%, Rabbit: 92%, Rat: 100%, Zebrafish: 83%
Characteristics:	This is a rabbit polyclonal antibody against OPTC. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

## Target Details

Target:	OPTC
---------	------

## Target Details

Alternative Name:	OPTC ( <a href="#">OPTC Products</a> )
Background:	<p>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 ocalizes 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).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> <p>Alias Symbols: OPT</p> <p>Protein Interaction Partner: OSGEP, OPTC,</p> <p>Protein Size: 332</p>
Molecular Weight:	35 kDa
Gene ID:	26254
NCBI Accession:	<a href="#">NM_014359</a> , <a href="#">NP_055174</a>
UniProt:	<a href="#">Q9UBM4</a>

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 332 AA
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 %

## Handling

	sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Images



### Western Blotting

**Image 1. WB Suggested Anti-OPTC Antibody Titration:**

0.2-1 ug/ml

**ELISA Titer:** 1:12500

**Positive Control:** Human heart