

Datasheet for ABIN964598

**anti-CASZ1 antibody (Internal Region)**

7 Images

2 Publications

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## Overview

Quantity:	100 µg
Target:	CASZ1
Binding Specificity:	Internal Region
Reactivity:	Human, Mouse, Chimpanzee, Drosophila melanogaster, Macaque
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA

## Product Details

Immunogen:	<p>This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to an internal region of Human Casz1 protein.</p> <p>Immunogen Type: Peptide</p>
Isotype:	IgG
Specificity:	<p>This affinity purified antibody is directed against human CASZ1 protein. The product was affinity purified from monospecific antiserum by immunoaffinity purification. A BLAST analysis was used to suggest reactivity with CASZ1 proteins from human, mouse, Drosophila, chimpanzee, and macaque based on a 100% homology. Partial reactivity is expected with horse and dog CASZ1 based on a 92% homology with the immunizing sequence. Cross-reactivity with CASZ1 from other sources has not been determined.</p>
Cross-Reactivity:	Mouse (Murine), Fruit Fly (Drosophila melanogaster), Chimpanzee, Macaque

## Product Details

Characteristics:	This antibody is designed, produced, and validated as part of a collaboration with the National Cancer Institute (NCI) and is suitable for Cancer, Immunology and Nuclear Signaling research. The human castor zinc finger 1 gene (CASZ1) regulates the production of the castor transcription factor, having increased expression when cells of neural and mesenchymal origin are induced to differentiation. CASZ1 is expressed in a number of human tumors and it localizes to a genomic region frequently lost in tumors of neuroectodermal origin. The CASZ1 gene generates 2 mRNA isoforms hCASZ5 and hCASZ11 that could encode proteins containing 5 or 11 zinc finger motifs, respectively. The proteins may be especially labile. Expect a band at 125 kDa for hCASZ5 and 190 kDa for hCASZ11 in fresh lysates.
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Purification:	affinity purified
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Sterility:	Sterile filtered
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## Target Details

Target:	CASZ1
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Alternative Name:	CASZ1 ( <a href="#">CASZ1 Products</a> )
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Background:	<p>This antibody is designed, produced, and is suitable for Cancer, Immunology and Nuclear Signaling research. The human castor zinc finger 1 gene (CASZ1) regulates the production of the castor transcription factor, having increased expression when cells of neural and mesenchymal origin are induced to differentiation. CASZ1 is expressed in a number of human tumors and it localizes to a genomic region frequently lost in tumors of neuroectodermal origin. The CASZ1 gene generates 2 mRNA isoforms hCASZ5 and hCASZ11 that could encode proteins containing 5 or 11 zinc finger motifs, respectively. The proteins may be especially labile. Expect a band at 125 kDa for hCASZ5 and 190 kDa for hCASZ11 in fresh lysates.</p> <p>Synonyms: CASZ1, Zinc finger protein castor homolog 1, Castor-related protein, Zinc finger protein 693</p>
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Gene ID:	54897, 145207289
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UniProt:	<a href="#">Q86V15</a>
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## Application Details

Application Notes:	This antibody has been tested for use in ELISA and western blotting. This antiserum detects endogenous CASZ1 proteins, both the hCASZ5 and hCASZ11 isoforms. Expect a band approximately 125 kDa for hCASZ5 and 190 kDa for hCASZ11 in size corresponding CASZ1 by western blotting in the appropriate cell lysate or extract. Specific conditions for reactivity should
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## Application Details

be optimized by the end user.

Comment: Gene Name: CASZ1

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1.09 mg/mL

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Preservative: Sodium azide

Precaution of Use: WARNING: Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of potentially explosive deposits in lead or copper plumbing.

Handling Advice: Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature.

Storage: 4 °C/-20 °C

Storage Comment: Store vial at 4 °C prior to restoration. For extended storage aliquot contents and freeze at -24 °C or below. This product is stable for several weeks at 4 °C as an undiluted liquid. Dilute only prior to immediate use. Expiration date is one (1) year from date of opening.

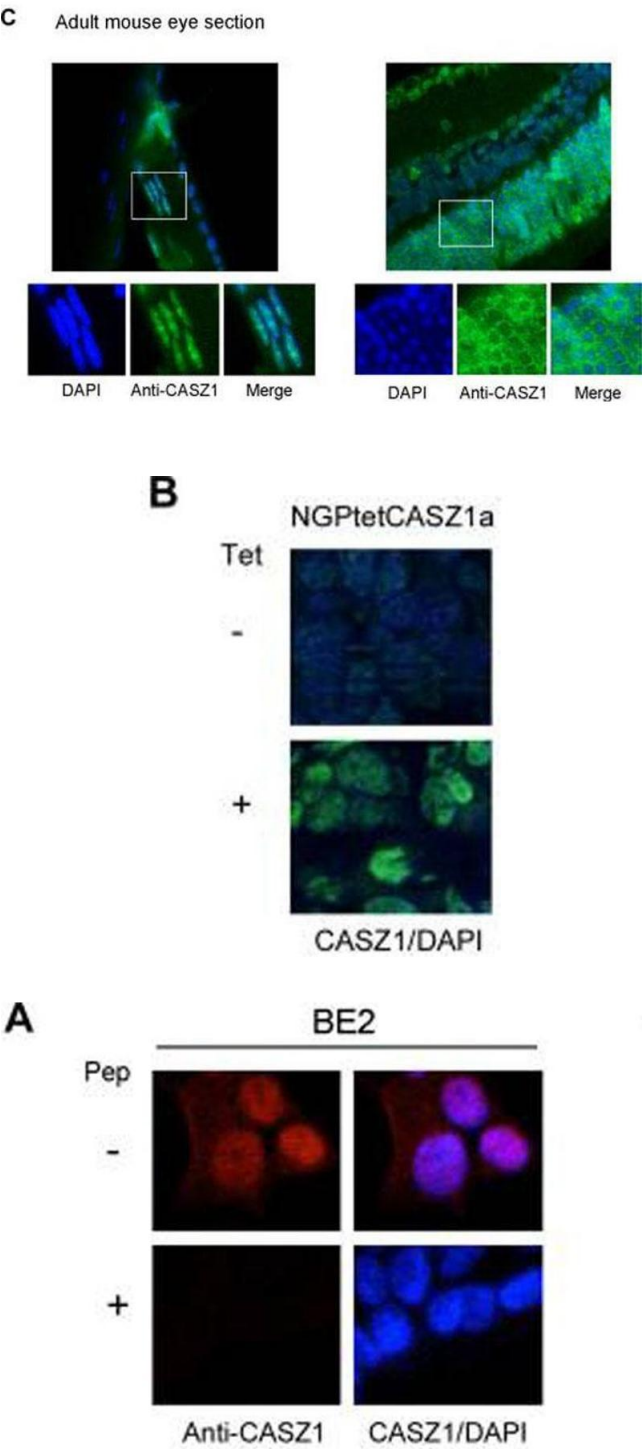
Expiry Date: 12 months

## Publications

Product cited in: Jung, Warter, Rumpler: "Localization of stromelysin 2 gene to the q22.3-23 region of chromosome 11 by in situ hybridization." in: **Annales de génétique**, Vol. 33, Issue 1, pp. 21-3, (1990) ([PubMed](#)).

Muller, Quantin, Gesnel, Millon-Collard, Abecassis, Breathnach: "The collagenase gene family in humans consists of at least four members." in: **The Biochemical journal**, Vol. 253, Issue 1, pp. 187-92, (1988) ([PubMed](#)).

Images



Immunofluorescence

**Image 1.** Immunofluorescence of Rabbit anti-CASZ1 Antibody. Tissue: adult murine ocular tissue. Antibody: Rabbit Anti-CASZ1 Antibody. Counterstain: DAPI. Localization: nucleus in lens epithelia but primarily localizes in the cytoplasm in photoreceptor cells.

Immunofluorescence

**Image 2.** Immunofluorescence results of Rabbit Anti-CASZ1 Antibody. Tissue: Mouse Xenograft tumor of human NB cell line transfected with or without tetracycline inducible CASZ1 (NGPtetCASZ1a). Antibody: Rabbit Anti-CASZ1 Antibody. Counterstain: DAPI.

Immunofluorescence

**Image 3.** Immunofluorescence results of Endogenous CASZ1. Cells: BE2 cells. Pre-Incubation of Anti-CASZ1 Antibody with CASZ1 Peptide: Bottom. Staining: Rabbit Anti-CASZ1 Antibody. Chromatin counter stain: DAPI.

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN964598.