

Datasheet for ABIN633449  
**anti-Filensin antibody (N-Term)**



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1 Image

1 Publication

## Overview

Quantity:	100 µL
Target:	Filensin (BFSP1)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Filensin antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	BFSP1 antibody was raised using the N terminal of BFSP1 corresponding to a region with amino acids QVESNRQRVRDLEAERARLERQGTEAQRALDEFRSKYENECECQLLLKEM
Specificity:	BFSP1 antibody was raised against the N terminal of BFSP1
Purification:	Affinity purified

## Target Details

Target:	Filensin (BFSP1)
Alternative Name:	BFSP1 ( <a href="#">BFSP1 Products</a> )
Background:	More than 99% of the vertebrate ocular lens is comprised of terminally differentiated lens fiber cells. Two lens-specific intermediate filament-like proteins, CP49 (also known as phakinin) and BFSP1 (or CP115), are expressed only after fiber cell differentiation has begun. Both proteins

## Target Details

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are found in a structurally unique cytoskeletal element that is referred to as the beaded filament.

Molecular Weight: 74 kDa (MW of target protein)

## Application Details

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Application Notes: WB: 0.5 µg/mL  
Optimal conditions should be determined by the investigator.

Comment: BFSP1 Blocking Peptide, catalog no. 33R-7771, is also available for use as a blocking control in assays to test for specificity of this BFSP1 antibody

Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Reconstitution: Lyophilized powder. Add distilled water for a 1 mg/mL concentration of BFSP1 antibody in PBS

Concentration: Lot specific

Buffer: PBS

Handling Advice: Avoid repeated freeze/thaw cycles.  
Dilute only prior to immediate use.

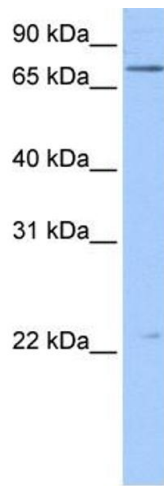
Storage: 4 °C/-20 °C

Storage Comment: Store at 2-8 °C for short periods. For longer periods of storage, store at -20 °C.

## Publications

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Product cited in: Brennan, McGreal-Estrada, Logan, Cvekl, Menko, Kantorow: "BNIP3L/NIX is required for elimination of mitochondria, endoplasmic reticulum and Golgi apparatus during eye lens organelle-free zone formation." in: **Experimental eye research**, Vol. 174, pp. 173-184, (2019) ([PubMed](#)).



### Western Blotting

**Image 1.** BFSP1 antibody used at 0.5 ug/ml to detect target protein.