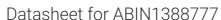
# antibodies .- online.com





# anti-BFSP2 antibody (AA 181-280) (Alexa Fluor 555)



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	N/P	r\/	i⊢₩

Quantity:	100 μL
Target:	BFSP2
Binding Specificity:	AA 181-280
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BFSP2 antibody is conjugated to Alexa Fluor 555
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

## **Product Details**

Immunogen:	KLH conjugated synthetic peptide derived from human BFSP2/Phakinin	
Isotype:	IgG	
Predicted Reactivity:	Human,Mouse,Rat,Dog	
Purification:	Purified by Protein A.	

# **Target Details**

Target:	BFSP2
Alternative Name:	Bfsp2/Phakinin (BFSP2 Products)
Background: Synonyms: 49 kDa cytoskeletal protein, Beaded filament protein CP49, Beaded filament	

structural protein 2, Beaded filament structural protein 2, phakinin, Bfps2, Cytoskeletal protein, 49 kD, BFSP2, BFSP2\_HUMAN, CP47, CP49, Lens fiber cell beaded filament protein CP 47, Lens fiber cell beaded filament protein CP 49, Lens intermediate filament-like light, LL-L, Phakinin, PHAKOSIN.

Background: Phakinin is a membrane-associated and cytoskeletal intermediate filament (IF) protein specific to the eye lens. IFs are cytoskeletal structures that typically contain a head, rod and tail domain. Unlike most IFs, Phakinin completely lacks the C-terminal tail domain thus contributing to the unique structure of the beaded filament that is specific to the lens. Phakinin is required for the assembly of beaded filaments and cytoskeletal networks that are important for the long-term maintenance of optical properties and transparency of the lens. Phakinin copolymerizes with Filensin, another IF protein, to form the 10-nm filamentous structures of the beaded filaments. Phakinin is also capable of self-assembling into filament-like structures that form thicker bundles. Mutations in the gene encoding Phakinin can result in lens cataract.

Gene ID:

3921

### **Application Details**

Application Notes:

IF(IHC-P) 1:50-200

IF(IHC-F) 1:50-200

IF(ICC) 1:50-200

Restrictions:

For Research Use only

#### Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months