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BFSP1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant BFSP1.
Catalog # AT1292a

Specification

BFSP1 Antibody (monoclonal) (M01) - Product Information

Application	**WB**
Primary Accession	Q12934
Other Accession	BC041483
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG**
Calculated MW	**74544**

BFSP1 Antibody (monoclonal) (M01) - Additional Information

Gene ID 631

Other Names
Filensin, Beaded filament structural protein 1, Lens fiber cell beaded-filament structural protein CP 115, CP115, Lens intermediate filament-like heavy, LIFL-H, BFSP1

Target/Specificity
BFSP1 (AAH41483, 1 a.a. ~ 540 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
BFSP1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

BFSP1 Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

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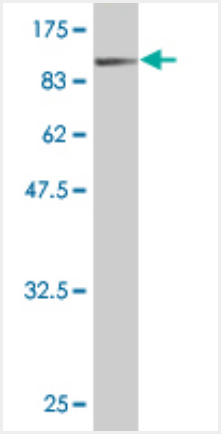
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

BFSP1 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (84.92 KDa) .

BFSP1 Antibody (monoclonal) (M01) - 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 the protein product of this gene, filensin, are expressed only after fiber cell differentiation has begun. Both proteins are found in a structurally unique cytoskeletal element that is referred to as the beaded filament (BF). Mutations in this gene are the cause of autosomal recessive cortical juvenile-onset cataract. Multiple transcript variants encoding different isoforms have been found for this gene.

BFSP1 Antibody (monoclonal) (M01) - References

Autosomal recessive juvenile onset cataract associated with mutation in BFSP1. Ramachandran RD, et al. Hum Genet, 2007 May. PMID 17225135.Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences. Strausberg RL, et al. Proc Natl Acad Sci U S A, 2002 Dec 24. PMID 12477932.The DNA sequence and comparative analysis of human chromosome 20. Deloukas P, et al. Nature, 2001 Dec 20-27. PMID 11780052.An autosomal dominant posterior polar cataract locus maps to human chromosome 20p12-q12. Yamada K, et al. Eur J Hum Genet, 2000 Jul. PMID 10909854.Isolation of the human beaded-filament structural protein 1 gene (BFSP1) and assignment to chromosome 20p11.23-p12.1. Rendtorff ND, et al. Genomics, 1998 Oct 1. PMID 9787085.