Datasheet for ABIN1693898

anti-BLM antibody (AA 1201-1417) (AbBy Fluor® 350)

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Overview

Quantity:	100 µL
Target:	BLM
Binding Specificity:	AA 1201-1417
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BLM antibody is conjugated to AbBy Fluor® 350
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 BLM/Blooms Syndrome Protein Blm
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Dog,Cow,Sheep,Pig,Horse
Purification:	Purified by Protein A.

Target Details

Target:	BLM
Alternative Name:	BLM/Blooms Syndrome Protein Blm (BLM Products)
Background:	Synonyms: BLM, BLM_HUMAN, Bloom Syndrome, Bloom syndrome protein, Bloom syndrome

Target Details

	RecQ helicase like, BS, DNA Helicase, DNA helicase RecQ like type 2, MGC126616, MGC131618, MGC131620, RECQ 2, RECQ like, RecQ like type 2, RecQ protein like 3, RecQ Protein-like 3, RECQ-2, RECQ-Like, RecQ-like type 2, RECQ2, RECQL 2, RECQL 3, RECQL-2, RECQL-3, RECQL2, RECQL3, type 2. Background: Bloom?s syndrome is an autosomal recessive disorder characterized by pre- and post-natal growth deficiencies, sun sensitivity, immunodeficiency and a predisposition to various cancers. The gene responsible for Bloom?s syndrome, BLM, encodes a protein homologous to the RecQ helicase of E. coli and is mutated in most Bloom?s syndrome patients. One characteristic of Bloom?s syndrome is an increased frequency of sister chromatid exchange (SCE). BLM has been shown to unwind G4 DNA, and a failure of this function is thought to be responsible for the increased rate of SCE. BLM is known to be translocated to the nucleus, where its ATPase activity is stimulated by both single- and double-stranded DNA. Mutations in the yeast SGS1, a homolog of BLM, are known to cause mitotic hyperrecombination similiar to that observed in Bloom?s cells.
Gene ID:	641
Pathways:	DNA Damage Repair

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

Handling

Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months