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Datasheet for 600-401-J59

BLM phospho T122 Antibody

Overview

Description:	Anti-BLM pT122 (RABBIT) Antibody - 600-401-J59
Item No.:	600-401-J59
Size:	50 µg
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	BLM pT122 product is a member of the RecQ helicase protein family. The protein contains 1417 amino acids; including one ATP binding site, one DEAH box, and two putative nuclear localization signals, as well as phosphorylation sites. BLS protein is known to associate and be phosphorylated by the ATR (ataxia telangiectasia, rad3+) protein, in response to genetic stress. The Bloom's syndrome gene product is thought to play a role in the etiology of two major human health problems, each of which is a very common complication of Bloom's syndrome, namely cancer and diabetes. Anti-BLM pT122 antibody is ideal for researchers interested in Epigenetics and Nuclear Signaling or DNA Damage & Repair research.
Synonyms:	rabbit anti-BLM pT122 Antibody, DNA helicase, RecQ-like type 2, RECQ2, RECQL3, Bloom syndrome protein
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	BLM
Reactivity:	Human
PTM Specificity:	Phosphorylation
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-BLM pT122 affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic phospho-peptide corresponding to the internal region of human Bloom syndrome protein.
Purity/Specificity:	Anti-BLM pT122 was affinity purified from monospecific antiserum by immunoaffinity chromatography and is directed against the phosphorylated form of human T122 residue. A BLAST analysis was used to suggest cross-reactivity with human based on 100% sequence homology. Cross-reactivity with BLM pT122 from other sources has not been determined.
Relevant Links:	• UniProtKB - P54132

Application Details

Application Note:	Anti-BLM pT122 antibody is useful for ELISA, Immunohistochemistry, and Western Blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~159kDa corresponding to the appropriate cell lysate or extract.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1: 10,000
IHC:	User Optimized
WB:	1ug/ml

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	None
Stabilizer:	50% (v/v) Glycerol

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

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