

Datasheet for ABIN5596801
anti-BLM antibody (pSer144)



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Overview

Quantity:	100 µg
Target:	BLM
Binding Specificity:	pSer144
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Purpose:	BLM phospho S144 Antibody
Immunogen:	Immunogen: Anti-BLM pS144 affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to the internal region of human Bloom syndrome protein. Immunogen Type: Conjugated Peptide
Isotype:	IgG
Cross-Reactivity (Details):	A BLAST analysis was used to suggest cross-reactivity with human and mouse based on 100 % sequence homology.
Characteristics:	Synonyms: rabbit anti-BLM pS144 Antibody, DNA helicase, RecQ-like type 2, RECQ2, RECQL3, Bloom syndrome protein
Purification:	Anti-BLM pS144 was affinity purified from monospecific antiserum by immunoaffinity chromatography.

Target Details

Target:	BLM
Alternative Name:	BLM (BLM Products)
Background:	Background: BLM pS144 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. BLM 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 pS144 antibody is ideal for researchers interested in Epigenetics and Nuclear Signaling or DNA Damage & Repair research.
UniProt:	P54132
Pathways:	DNA Damage Repair

Application Details

Application Notes:	Immunohistochemistry Dilution: User Optimized Application Note: Anti-BLM pS144 antibody is useful for ELISA, Immunohistochemistry, and Western Blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~159 kDa corresponding to the appropriate cell lysate or extract. Western Blot Dilution: 1 µg/mL ELISA Dilution: 1: 10,000
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitution Volume: 100 µL Reconstitution Buffer: Restore with deionized water (or equivalent)
Concentration:	1.1 mg/mL
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Storage:	4 °C, -20 °C
Storage Comment:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended

Handling

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.

Expiry Date: 12 months