

Datasheet for ABIN5596803
anti-BLM antibody (pSer527)



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Overview

Quantity:	50 µg
Target:	BLM
Binding Specificity:	pSer527
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Purpose:	BLM phospho S527 Antibody
Immunogen:	Immunogen: Anti-BLM pS527 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 based on 100 % sequence homology.
Characteristics:	Synonyms: rabbit anti-BLM pS527 Antibody, DNA helicase, RecQ-like type 2, RECQ2, RECQL3, Bloom syndrome protein
Purification:	Anti-BLM pS527 was affinity purified from monospecific antiserum by immunoaffinity chromatography and is directed against the phosphorylated form of human S527 residue.

Product Details

Sterility: Sterile filtered

Target Details

Target: BLM

Alternative Name: BLM ([BLM Products](#))

Background: Background: BLM pS527 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 pS527 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 pS527 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: Liquid

Concentration: 1 mg/mL

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Stabilizer: 30 % Glycerol

Storage: 4 °C, -20 °C

Handling

Storage Comment: 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.

Expiry Date: 12 months