

Product datasheet for **TA397520**

BLM Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	WB: 1ug/ml IHC: User Optimized ELISA: 1: 10,000
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
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.
Specificity:	Anti-BLM pS144 was affinity purified from monospecific antiserum by immunoaffinity chromatography. A BLAST analysis was used to suggest cross-reactivity with human and mouse based on 100% sequence homology. Cross-reactivity with BLM pS144 from other sources has not been determined.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Reconstitution Method:	Restore with deionized water (or equivalent) - Reconstitution Volume: 100 µL
Concentration:	1.1mg/mL - lot specific
Conjugation:	Unconjugated
Storage:	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.
Stability:	Expiration date is one (1) year from date of receipt.
Database Link:	P54132



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- 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.
- Synonyms:** rabbit anti-BLM pS144 Antibody, DNA helicase, RecQ-like type 2, RECQ2, RECQL3, Bloom syndrome protein
- 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 ~159kDa corresponding to the appropriate cell lysate or extract.