

Rabbit anti-Human Bloom Syndrome Polyclonal Antibody | anti-BLM antibody

Bloom Syndrome (Phospho-Thr99) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA308099	Rabbit	Human	Immunohistochemistry, Western Blot

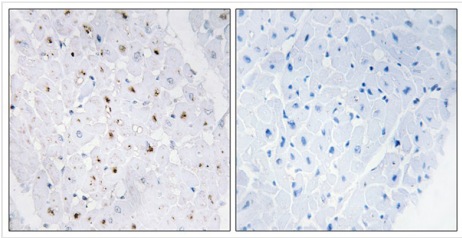
PRODUCT SYNONYMS

Bloom Syndrome; Polyclonal Antibody; Bloom Syndrome (Phospho-Thr99) Antibody; RECQ2; RECQL3; type 2; EC 3.6.1; RecQ protein-like 3; anti-BLM antibody

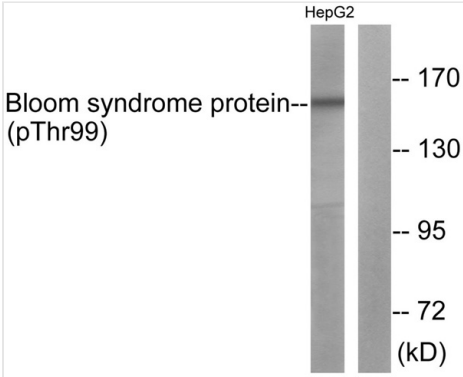
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of Bloom Syndrome Protein only when phosphorylated at threonine 99.
Purity/Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	1417
Applicable Applications for anti-BLM antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of threonine 99 (Q-E-T(p)-Q-R) derived from Human Bloom Syndrome.
Modification	Phospho-Thr99
Target Name	Bloom Syndrome
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human heart tissue, using Bloom Syndrome Protein (Phospho-Thr99) antibody (left) or the same antibody preincubated with blocking peptide (right).



WB (Western Blot)
Western blot analysis of extracts from HepG2 cells using Bloom Syndrome Protein (Phospho-Thr99) Antibody. The lane on the right is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-BLM antibody	Participates in DNA replication and repair. Exhibits a magnesium-dependent ATP-dependent DNA-helicase activity that unwinds single- and double-stranded DNA in a 3'-5' direction. Involved in 5'-end resection of DNA during double-strand break (DSB) repair: unwinds DNA and recruits DNA2 which mediates the cleavage of 5'-ssDNA. Negatively regulates sister chromatid exchange (SCE). Ellis N.A., Cell 83:655-666(1995). Karow J.K., J. Biol. Chem. 272:30611-30614(1997). Pichierri P., EMBO J. 23:3154-3163(2004).
Product Categories/Family for anti-BLM antibody	Phospho-specific Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557365
NCBI GeneID	641
NCBI Accession #	NP_000048.1
NCBI GenBank Nucleotide #	NM_000057.3
UniProt Accession #	P54132; Q52M96
Molecular Weight	159,000 Da
NCBI Official Full Name	Bloom syndrome protein isoform 1
NCBI Official Synonym Full Names	Bloom syndrome, RecQ helicase-like
NCBI Official Symbol	BLM
NCBI Official Synonym Symbols	BS; RECQ2; RECQL2; RECQL3
NCBI Protein Information	Bloom syndrome protein
UniProt Protein Name	Bloom syndrome protein
UniProt Gene Name	BLM
UniProt Synonym Gene Names	RECQ2; RECQL3; RecQ2
UniProt Entry Name	BLM_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

