

Anti-BLM antibody



Description	Rabbit polyclonal to BLM.
Model	STJ91858
Host	Rabbit
Reactivity	Human
Applications	ELISA, IF, IHC
Immunogen	Synthesized peptide derived from human BLM around the non-phosphorylation site of T99.
Immunogen Region	40-120 aa
Gene ID	641
Gene Symbol	BLM
Dilution range	IHC 1:100-1:300IF 1:200-1:1000ELISA 1:5000
Specificity	BLM Polyclonal Antibody detects endogenous levels of BLM protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Bloom syndrome protein DNA helicase, RecQ-like type 2 RecQ2 RecQ protein-like 3
Molecular Weight	159 kDa
Clonality	Polyclonal
Conjugation	Unconjugated

Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:1058OMIM:210900
Alternative Names	Bloom syndrome protein DNA helicase, RecQ-like type 2 RecQ2 RecQ protein-like 3
Function	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).
Cellular Localization	Nucleus. Together with SPIDR, is redistributed in discrete nuclear DNA damage-induced foci following hydroxyurea (HU) or camptothecin (CPT) treatment. Accumulated at sites of DNA damage in a RMI complex- and SPIDR-dependent manner.
Post-translational Modifications	Phosphorylated in response to DNA damage. Phosphorylation requires the FANCA-FANCC-FANCE-FANCF-FANCG protein complex, as well as the presence of RMI1.

St John's Laboratory Ltd

F +44 (0)207 681 2580

T +44 (0)208 223 3081

W <http://www.stjohnslabs.com/>

E info@stjohnslabs.com