



# BLM (phospho Thr99) rabbit pAb

Cat No.:ES7149

For research use only

## Overview

<b>Product Name</b>	BLM (phospho Thr99) rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Rat;Mouse;
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human Bloom Syndrome around the phosphorylation site of Thr99. AA range:65-114
<b>Specificity</b>	Phospho-BLM (T99) Polyclonal Antibody detects endogenous levels of BLM protein only when phosphorylated at T99.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Bloom syndrome protein
<b>Gene Name</b>	BLM
<b>Cellular localization</b>	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.
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	159kD
<b>Human Gene ID</b>	641
<b>Human Swiss-Prot Number</b>	P54132



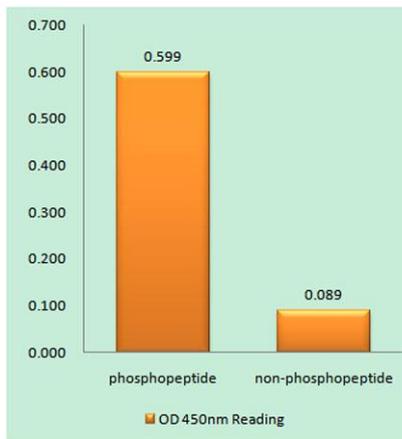


### Alternative Names

BLM; RECQ2; RECQL3; Bloom syndrome protein; DNA helicase; RecQ-like type 2; RecQ2; RecQ protein-like 3

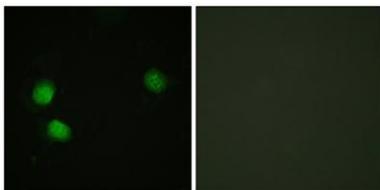
### Background

The Bloom syndrome gene product is related to the RecQ subset of DExH box-containing DNA helicases and has both DNA-stimulated ATPase and ATP-dependent DNA helicase activities. Mutations causing Bloom syndrome delete or alter helicase motifs and may disable the 3'-5' helicase activity. The normal protein may act to suppress inappropriate recombination. [provided by RefSeq, Jul 2008],



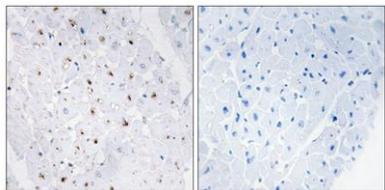
Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using Bloom Syndrome (Phospho-Thr99) Antibody

Immunofluorescence analysis of HeLa cells, using Bloom Syndrome (Phospho-Thr99) Antibody. The picture on the right is blocked with the phospho peptide.





Immunohistochemistry analysis of paraffin-embedded human heart, using Bloom Syndrome (Phospho-Thr99) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from HepG2 cells, using Bloom Syndrome (Phospho-Thr99) Antibody. The lane on the right is blocked with the phospho peptide.

