

产品名称: BLM (phospho Thr99) Rabbit Polyclonal Antibody
产品货号: AP Rab04323



产品概述 (Summary)

产品名称 (Production Name)	BLM (phospho Thr99) Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Rat,Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Phosphorylated
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	BLM
别名 (Alternative Names)	BLM; RECQ2; RECQL3; Bloom syndrome protein; DNA helicase; RecQ-like type 2; RecQ2; RecQ protein-like 3
基因 ID (Gene ID)	641.0
蛋白 ID (SwissProt ID)	P54132.The antiserum was produced against synthesized peptide derived from human Bloom Syndrome around the phosphorylation site of Thr99. AA range:65-114

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:5000-1:10000
蛋白分子量 (Molecular Weight)	159kDa

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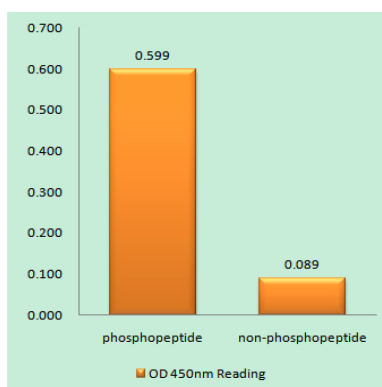
研究背景 (Background)

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], disease: Defects in BLM are the cause of Bloom syndrome (BLM) [MIM:210900]. BLM is an autosomal recessive disorder characterized by proportionate pre- and postnatal growth deficiency, sun-sensitive telangiectatic hypo- and hyperpigmented skin, predisposition to malignancy, and chromosomal instability., 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., online information: BLM mutation db, PTM: Phosphorylated in response to DNA damage. Phosphorylation requires the FANCA-FANCC-FANCE-FANCF-FANCG protein complex, as well as the presence of RMI1., similarity: Belongs to the helicase family. RecQ subfamily., similarity: Contains 1 helicase ATP-binding domain., similarity: Contains 1 helicase C-terminal domain., similarity: Contains 1 HRDC domain., subunit: Part of the BRCA1-associated genome surveillance complex (BASC), which contains BRCA1, MSH2, MSH6, MLH1, ATM, BLM, PMS2 and the RAD50-MRE11-NBS1 protein complex. This association could be a dynamic process changing throughout the cell cycle and within subnuclear domains. Interacts with ubiquitinated FANCD2. Interacts with RMI complex. Interacts directly with RMI1 component of RMI complex.,

研究领域 (Research Area)

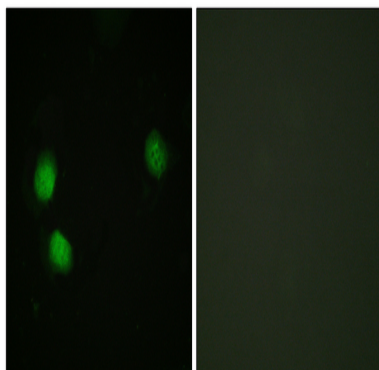
Homologous recombination;

图片 (Image Data)

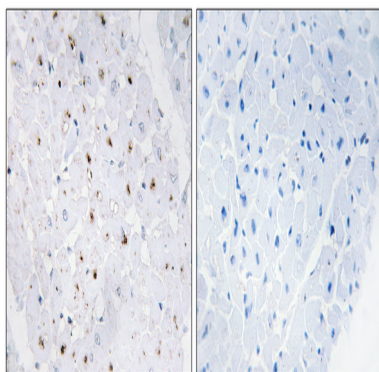


Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using Bloom Syndrome (Phospho-Thr99) Antibody

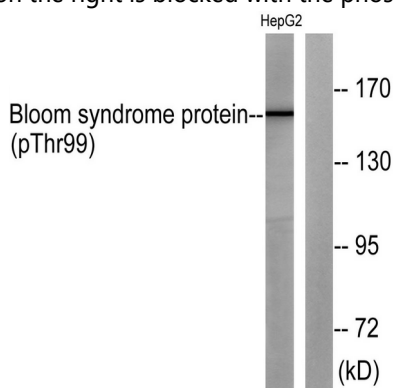
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Immunofluorescence analysis of HeLa cells, using Bloom Syndrome (Phospho-Thr99) Antibody. The picture on the right is blocked with the phospho peptide.



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.

注意事项 (Note)

For research use only .