

Product Datasheet

Blooms Syndrome Protein Blm [p Thr99] Antibody NBP1-46851

Unit Size: 0.05 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Publications: 2

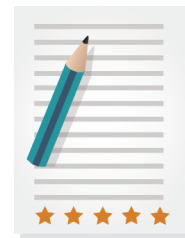
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NBP1-46851**Blooms Syndrome Protein Blm [p Thr99] Antibody****Product Information**

Unit Size	0.05 ml
Concentration	4.8 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.1% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	1M Tris/HCl (pH 8.5) and 0.2M Glycine
Target Molecular Weight	160 kDa

Product Description

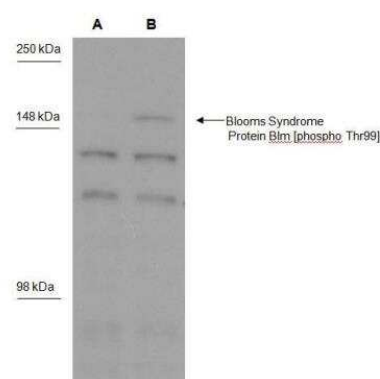
Host	Rabbit
Gene ID	641
Gene Symbol	BLM
Species	Human
Reactivity Notes	Human
Immunogen	Synthetic phospho-peptide surrounding the Blooms Syndrome Protein Blm Threonine 99 region [UniProt# P54132]

Product Application Details

Applications	Western Blot, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1:1000, Immunocytochemistry/ Immunofluorescence
Application Notes	This Blooms Syndrome Protein Blm [phospho Thr99] is useful in Western blot where a band can be seen at ~160 kDa. Immunocytochemistry/Immunofluorescence was reported in scientific literature. The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.

Images

Western Blot: Blooms Syndrome Protein Blm [p Thr99] Antibody [NBP1-46851] - Western blot analysis of Blooms Syndrome Protein Blm phosphorylated at Thr99 in MDA-MB-231 cells A) not treated and B) treated with 1uM camptothecin using NBP1-46851. Image courtesy of Dr. Keli Agama.



Publications

Rao VA, Fan AM, Meng L, Doe CF, North PS, Hickson ID, Pommier Y. Phosphorylation of BLM, dissociation from topoisomerase IIIalpha, and colocalization with gamma-H2AX after topoisomerase I-induced replication damage. Mol Cell Biol;25(20):8925-37. 2005-10-01 [PMID: 16199871] (WB, ICC/IF, Human)

Shimura T, Torres MJ, Martin MM, Rao VA, Pommier Y, Katsura M, Miyagawa K, Aladjem MI. Bloom's syndrome helicase and Mus81 are required to induce transient double-strand DNA breaks in response to DNA replication stress. J Mol Biol;375(4):1152-64. 2008-01-25 [PMID: 18054789] (ICC/IF, Human)



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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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