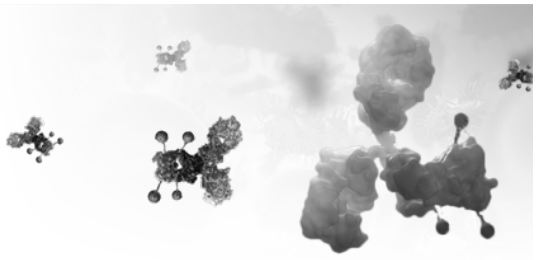

Mouse anti-Human BLM monoclonal antibody, clone 2F5 (CABT-B9855)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	BLM (NP_000048, 1196 a.a. ~ 1296 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	2F5
Conjugate	Unconjugated
Applications	WB,IF,ELISA
Sequence Similarities	SSVKKQKALVAKVSQREEMVKKCLGELTEVCKSLGKVFGVHYFNIFNTVTLKKLAESLSS DPEVLLQIDGVTEDKLEKYGAEVISVLQKYSEWTSPAEDS*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	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.

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	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]
Keywords	BLM; Bloom syndrome, RecQ helicase-like; BS; RECQ2; RECQL2; RECQL3; Bloom syndrome protein; recQ protein-like 3; DNA helicase, RecQ-like type 2;

GENE INFORMATION

Entrez Gene ID	641
UniProt ID	P54132
Pathway	Homologous recombination, organism-specific biosystem; Homologous recombination, conserved biosystem; Meiotic Recombination, organism-specific biosystem; Regulation of Telomerase, organism-specific biosystem
Function	ATP binding; ATP-dependent 3"-5" DNA helicase activity; ATP-dependent DNA helicase activity; ATP-dependent helicase activity; ATPase activity; DNA binding; DNA strand annealing activity; G-quadruplex DNA binding; bubble DNA binding; four-way junction helicase activity; helicase activity; hydrolase activity; hydrolase activity, acting on acid anhydrides, in phosphorus-containing anhydrides; nucleotide binding; p53 binding; protein binding; single-stranded DNA binding

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