

Datasheet

Cruciform DNA monoclonal antibody, clone 2D3

Catalog Number: MAB5670

Regulation Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against Cruciform DNA.

Clone Name: 2D3

Immunogen: Stable cruciform DNA structures.

Host: Mouse

Applications: GSA, WB

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Specificity: This antibody recognizes cruciform DNA.

Form: Lyophilized

Isotype: IgG2a

Recommend Usage: Gel Supershift Assay (5-10 ug per sample)

The optimal working dilution should be determined by the end user.

Storage Buffer: Lyophilized from PBS (50% glycerol)

Storage Instruction: Store at 4°C on dry atmosphere. After reconstitution with deionized water, store at -20°C for short term storage or at -80°C for long term storage. Aliquot to avoid repeated freezing and thawing.

References:

1. Slipped (CTG).(CAG) repeats of the myotonic dystrophy locus: surface probing with anti-DNA antibodies. Tam M, Erin Montgomery S, Kekis M, Stollar BD, Price GB, Pearson CE. J Mol Biol. 2003 Sep 19;332(3):585-600.
2. 14-3-3sigma is a cruciform DNA binding protein and associates in vivo with origins of DNA replication.

Alvarez D, Novac O, Callejo M, Ruiz MT, Price GB, Zannis-Hadjopoulos M. J Cell Biochem. 2002;87(2):194-207.

3. Cruciform-extruding regulatory element controls cell-specific activity of the tyrosine hydroxylase gene promoter. Kim EL, Peng H, Esparza FM, Maltchenko SZ, Stachowiak MK. Nucleic Acids Res. 1998 Apr 1;26(7):1793-800.