

Anti-Quadruplex DNA [1H6] Bulk size

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Description: Recombinant monoclonal antibody to Quadruplex DNA. Manufactured using AbAb's Recombinant Platform with variable regions (i.e. specificity) from the hybridoma 1H6. This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

Isotype and Format: Mouse IgG1, [Fc Silent™](#), kappa

Clone Number: 1H6

UniProt Accession Number of Target Protein:

Published Application(s): ELISA; IHC; IF

Published Species Reactivity: Mammals

Immunogen: Oxy-2 or d(TTTTGGGG)2.

Specificity: The antibody binds to quadruplex DNA with a Kd of 0.33 nM. Binds to both types of quadruplex DNA, Oxy-2 (d(TTTTGGGG)2) and Ver-3 (d(TGGGGG(TTAGGG)2T).

Antibody First Published in:

Henderson et al. Nucleic Acids 2014; 42(2):860-869 [PMID:24163102](#) **Note on publication:**

Describes the generation of several G4-DNA-specific monoclonal antibodies and how these can be used for nuclear staining.

Product Form

This is a Bulk size product. Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied in: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

Concentration: See vial label

Product Code: Ab00389-1.4-BT

Mouse IgG1

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.