

## Anti-Quadruplex DNA [1H6] Standard 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 Standard size product. Purified antibody.

**Purification:** Protein A affinity purified

**Supplied in:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

**Concentration:** See vial label

**Product Code:** Ab00389-1.4

## 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.