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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Anti-Quadruplex DNA [1H6] Bulk Size Ab00389-24.1-BT

This chimeric goat antibody was made using the variable domain sequences of the original Mouse IgG2b format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Goat IgG, Kappa

Clone Number: 1H6

Alternative Name(s) of Target: G4 DNA

UniProt Accession Number of Target Protein:

Published Application(s): ELISA, IF, IHC

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).

Application Notes: This antibody binds to quadruplex DNA, which is generated through the association of four guanines bound through Hoogsteen base pairing. G4-forming sequences are associated with immunoglobulin switch regions, promoter sequences, rDNA and telomeric repeats. Ab00389-1.1 was used by Hansel-Hertsch et al. 2016 (PMID: 27618450) in immunofluorescence staining (in comparison to the BG4 anti-G quadruplex antibody, c.f. Ab00174).

Antibody First Published in: Henderson et al. Detection of G-quadruplex DNA in mammalian cells. 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

Size: 1 mg 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: 1 mg /ml.

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

procedures for humans or animals.