Product Name
Monoclonal Human
Anti-Bromodomain-containing protein 4 (BRD4)
immunoglobulin

CAT No.
MQR 2.1201

LOT No.
16216

Quantity
100 µg

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products@immunoprecise.com
www.immunoprecise.com

Intended use
This product is for research use only. NOT for use in diagnostic or therapeutic procedures.
This product is tested for use in enzyme-linked immunosorbent assay (ELISA), immunoprecipitation (IP) and Chromatin immunoprecipitation quantitative real-time PCR (ChIP-qPCR).

Reagent provided
The antibody is supplied in PBS.

Isotype
Human IgG1κ

Immunogen
Human bromodomain-containing protein 4 isoform long (333-460 of 1362)

Specificity
Specificity has been tested in ELISA (figure 1) and IP-MS and ChIP-qPCR.

Purity
Protein A purified.

Precautions
1. For professional users.
2. As with any product derived from biological sources, proper handling procedures should be used.
3. The product may be used in different techniques and in combination with different sample types and materials, therefore each individual laboratory should validate the applied test system.

Preparation of the antibody
Use antibody as supplied.

Storage instructions
Store at -20°C.

Application guidelines
ELISA: 1:25000
IP: 2 µg/ml
Unless the stability in the actual test system has been established, it is recommended to dilute the product immediately before use.

Relevance
Chromatin reader protein that recognizes and binds acetylated histones and plays a key role in transmission of epigenetic memory across cell divisions and transcription regulation. Remains associated with acetylated chromatin throughout the entire cell cycle and provides epigenetic memory for postmitotic G1 gene transcription by preserving acetylated chromatin status and maintaining high-order chromatin structure[1].

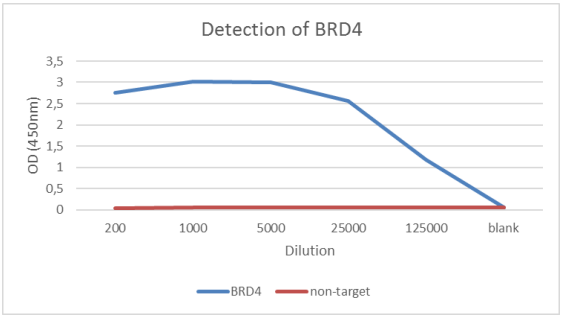

Figure 1: Specificity of BRD4 (MQR2.1201), determined by ELISA. Antibody diluted in PBS containing 0.05% tween-20 and 1% BSA was tested on human BRD4 and WDR5 (non-target).

References
1) UniProt Consortium 2017, 'Bromodomain-containing protein 4', UniProtKB Protein Knowledgebase, viewed 12 May 2017, http://www.uniprot.org/uniprot/O60885