

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

CAT No.
MQR 2.1201

LOT No.
16216

Quantity
100 µg

Edition: May 30, 2017

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 structure¹.



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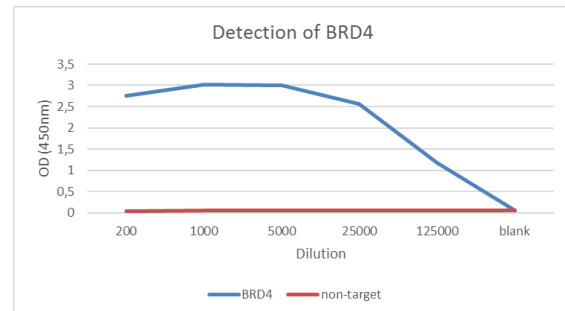


Figure 1: Specificity of BRD4 (MQR2.1201), determined by ELISA. Antibody diluted in PBS containing 0.05% tween-20 and 1% BSA was tested on human BRD4 and WDR5 (non-target).

References

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