

# Rabbit Anti-human BRM/SWI2-related gene 1 (BRG1) Monoclonal Antibody, Clone 1C4

Catalog Number: R17031M1C4

## General Information

<b>Immunogen</b>	Truncated recombinant human BRG1 protein
<b>IgG type</b>	Rabbit IgG
<b>Clonality</b>	Monoclonal
<b>Applications</b>	ELISA, WB (1:200 to 1:2000)
<b>Specificity</b>	Human BRG1
<b>Formulation</b>	1xPBS, pH 7.4, 0.09% sodium azide
<b>Purity</b>	> 95% determined by SDS-PAGE
<b>Storage</b>	≤ -20 °C for 1 year or 4 °C for 1 months

### Abbreviations:

ELISA: Enzyme-linked immunosorbent assay; ITA: immunoturbidimetric assay; IP: immunoprecipitation; IHC: immuno-histochemistry; IF: immunofluorescence. WB: western blot; FC: flow cytometry

## Storage

This antibody is shipped at 4 °C. This product is stable for 12 months from date of receipt when stored at -20 °C to -70 °C. Avoid freeze/thaw cycles.

## Hazard/Biohazard

This antibody contains 0.09% sodium azide as preservative. Please handle and dispose the product properly. No known biohazard is associated with this product.

## Background

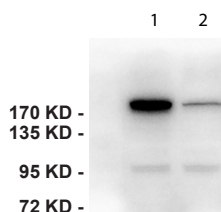
SWI/SNF (Switch/Sucrose Non-Fermentable) is a nucleosome remodeling complex using energy of ATP hydrolysis to chromatin remodeling. BRM/SWI2-related gene 1 (BRG1) or SMARCA4 is one of the ATPase of SWI/SNF complex. BRG1 is a necessary component for nuclear receptor-mediated transcriptional activation and gene silencing. BRG1 appears to be a critical modulator of transcriptional regulation in cellular processes including transcriptional regulation, DNA replication and repair, cell proliferation, cell lineage differentiation and maintain cell pluripotency during early embryonic development and cancer.

## Preparation

Monoclonal antibody is produced by immunizing rabbit with truncated human BRG1 protein and purified using protein A resin.

## Application

### Western blot



Cell lysate:

lane 1: MDA231, scramble RNA, 25 ug;  
lane 2: MDA231, shRNA against human BRG1, 25 ug

1C4 dilution: 1ug/ml

Blocking and antibody dilution buffer is 5% skim milk (w/v), 1x TBS, 0.05% Tween-20.

## Research Use or Manufacturing Only