

Datasheet for ABIN6972733
anti-SMARCA2 antibody (AA 48-214)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	SMARCA2
Binding Specificity:	AA 48-214
Reactivity:	Human, Mouse
Host:	Rat
Clonality:	Monoclonal
Application:	Western Blotting (WB), Chromatin Immunoprecipitation (ChIP), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	This SMARCA2 / BRM antibody was raised against a recombinant protein corresponding to amino acids 48-214 of mouse BRM.
Clone:	1H7A10
Isotype:	IgG2a
Characteristics:	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 2 (SMARCA2), also known as BRM, is a member of the SWI/SNF family of ATP-dependant chromatin remodeling proteins. SMARCA2 is the catalytic subunit of a multi-subunit protein complex that utilizes the energy from ATP hydrolysis to alter chromatin structure and activate transcription. SMARCA2 / BRM antibody (mAb) (Clone 1H7A10) was raised in a Rat host. It has been validated for use in Chromatin Immunoprecipitation, Immunocytochemistry, Immunofluorescence and Western blot, it has been shown to react with Human and Mouse samples.

Product Details

Purification: Protein G Chromatography

Target Details

Target: SMARCA2

Alternative Name: SMARCA2 / BRM ([SMARCA2 Products](#))

Molecular Weight: 190 kDa

NCBI Accession: [NP_035546](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

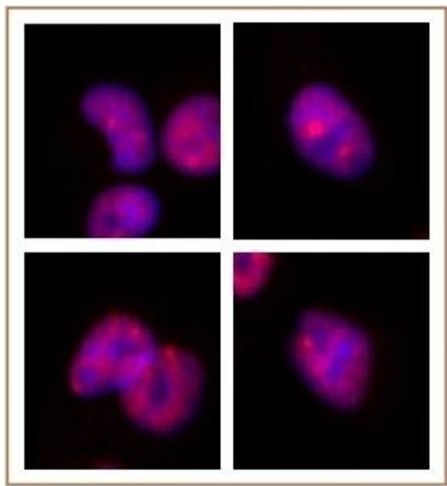
Buffer: Purified IgG in 70 mM Tris (pH 8), 105 mM NaCl, 31 mM glycine, 0.07 mM EDTA, 30 % glycerol and 0.035 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

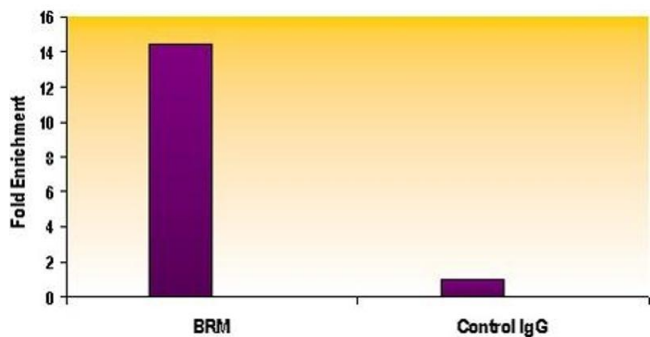
Storage: -20 °C

Storage Comment: Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20°C for up to 2 years. Keep all reagents on ice when not in storage.



Immunofluorescence

Image 1. SMARCA2 / BRM antibody (mAb) tested by Immunofluorescence. Formaldehyde fixed HeLa cells stained with SMARCA2 / BRM antibody at a 0.5 µg/mL dilution.



Chromatin Immunoprecipitation

Image 2. SMARCA2 / BRM antibody (mAb) tested by ChIP. Chromatin IP performed using the ChIP-IT Express Kit and HeLa Chromatin (1.5 x 10⁶ cell equivalents per ChIP) using 10 µg of SMARCA2 / BRM antibody or the equivalent amount of rat IgG as a negative control. Real time, quantitative PCR (RT-qPCR) was performed on DNA purified from each of the ChIP reactions using a primer pair specific for the CD44 gene. Data are presented as Fold Enrichment of the ChIP antibody signal versus the negative control IgG using the ddCT method.