

Datasheet for ABIN6972737
anti-SMARCA4 antibody (AA 214-279)



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Overview

Quantity:	100 µg
Target:	SMARCA4
Binding Specificity:	AA 214-279
Reactivity:	Human, Mouse
Host:	Rat
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	This SMARCA4 / BRG1 antibody was raised against a recombinant protein corresponding to amino acids 214-279 of mouse BRG1.
Clone:	3G4
Isotype:	IgG2b
Characteristics:	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 4 (SMARCA4), also known as BRG1, is the central catalytic ATPase subunit of numerous chromatin-remodeling complexes, including SWI/SNF. These complexes are able to use energy from ATP hydrolysis to physically disrupt chromatin architecture of target promoters and facilitate the binding of transcription factors to nucleosomal DNA. SMARCA4 is a co-regulator of transcription and has been implicated in the activation and repression of gene expression through the modulation of chromatin in various tissues and physiological conditions. This protein plays a major role in many cellular processes such as DNA replication, repair and recombination. Mammalian SMARCA4 is usually associated with approximately 10-

Product Details

12 BAF subunits or other proteins involved in regulation of gene expression. SMARCA4 is part of the stem cell-specific BAF complex, esBAF, and is involved in regulating stem cell pluripotency. SMARCA4 / BRG1 antibody (mAb) (Clone 3G4) was raised in a Rat host. It has been validated for use in Immunocytochemistry, Immunofluorescence and Western blot, it has been shown to react with Human and Mouse samples.

Purification: Protein G Chromatography

Target Details

Target:	SMARCA4
Alternative Name:	SMARCA4 / BRG1 (SMARCA4 Products)
Molecular Weight:	180 kDa
NCBI Accession:	NP_035547
Pathways:	Intracellular Steroid Hormone Receptor Signaling Pathway , Regulation of Intracellular Steroid Hormone Receptor Signaling , Stem Cell Maintenance

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.