

Datasheet for ABIN5690257
anti-SMARCA4 antibody (AA 1420-1470)



[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	SMARCA4
Binding Specificity:	AA 1420-1470
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SMARCA4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Cleavage Under Targets and Release Using Nuclease (CUT&RUN)

Product Details

Immunogen:	SMARCA4 antibody was raised against a 19 amino acid peptide near the carboxy terminus of human SMARCA4. The immunogen is located within amino acids 1420 - 1470 of SMARCA4.
Isotype:	IgG
Specificity:	SMARCA4 antibody is human, mouse and rat reactive. Multiple isoforms of SMARCA4 are known to exist.
Purification:	SMARCA4 antibody is affinity chromatography purified via peptide column.

Target Details

Target:	SMARCA4
Alternative Name:	SMARCA4 (SMARCA4 Products)
Background:	The SWI/SNF related matrix associated actin dependent regulator of chromatin subfamily a member 4 (SMARCA4) protein, also known as BRG1, is a member of the SWI/SNF family of proteins and is similar to the brahma protein of Drosophila (1). Members of this family have helicase and ATPase activities and are thought to regulate transcription of certain genes by altering the chromatin structure around those genes (2). The encoded protein is part of the large ATP-dependent chromatin remodeling complex SNF/SWI, which is required for transcriptional activation of genes normally repressed by chromatin (3). In addition, this protein can bind BRCA1, as well as regulate the expression of the tumorigenic protein CD44 (4,5).
Molecular Weight:	Predicted: 185 kDa Observed: 200 kDa
Gene ID:	6597
NCBI Accession:	NP_001122321
UniProt:	P51532
Pathways:	Intracellular Steroid Hormone Receptor Signaling Pathway , Regulation of Intracellular Steroid Hormone Receptor Signaling , Stem Cell Maintenance

Application Details

Application Notes:	The rabbit anti-SMARCA4 antibody ABIN6991990 is suitable for use in CUT&RUN, immunofluorescence, immunohistochemistry, immunofluorescence, and Western Blot. Specific conditions for each assay should be optimized by the end user. General dilution recommendations for different applications are as follows: IHC: 1:500 IF: 1:50 WB: 1:500-1:1,000 CUT&RUN: 1:100
Restrictions:	For Research Use only

Handling

Format:	Liquid
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Handling

Concentration:	1 mg/mL
Buffer:	SMARCA4 Antibody is supplied in PBS containing 0.02 % 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:	4 °C, -20 °C
Storage Comment:	SMARCA4 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.