

Datasheet: MCA6384

BATCH NUMBER 160854

Description:	RAT ANTI HUMAN SMARCA4
Specificity:	SMARCA4
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	5B7
Isotype:	IgG2a
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			0.5 ug/ml - 2 ug/ml
Immunofluorescence	▪			2 ug/ml - 10 ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species

Human

Species Cross Reactivity

Reacts with: Mouse, African green monkey

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - liquid

Preparation

Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant

Buffer Solution

Phosphate buffered saline

Preservative

0.035% Sodium Azide (NaN₃)

Stabilisers	30% Glycerol
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	A recombinant protein corresponding to amino acids 213-295 of human SMARCA4
External Database Links	<p>UniProt: P51532 Related reagents</p> <p>Entrez Gene: 6597 SMARCA4 Related reagents</p>
Synonyms	BAF190A, BRG1, SNF2B, SNF2L4
Specificity	<p>Rat anti Human SMARCA4 antibody, clone 5B7 recognizes special AT-rich sequence-binding protein 2, also known as transcription activator BRG1.</p> <p>SMARCA4 is a member of the SWI/SNF family of proteins. SWI/SNF proteins display ATPase and helicase activities and regulate gene transcription via chromatin remodelling. SMARCA4 is important for spermatogenesis and embryo development (Kim et al. 2012) (Zhang et al. 2011). SMARCA4 is also the most frequently mutated chromatin remodeling ATPase in cancer. Mutations in the SMARCA4 have been observed in many tumor subtypes including pancreatic cancers and some types of leukemia (Jones et al. 2012) (Shain et al. 2012) (Hodges et al. 2018) (Romero et al. 2012).</p> <p>Rat anti Human SMARCA4 antibody detects a band of 180 kDa.</p>
Storage	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10049 available at: https://www.bio-rad-antibodies.com/SDS/MCA6384 10049
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Rat IgG (STAR16...)	DyLight®800
Rabbit Anti Rat IgG (STAR17...)	FITC
Goat Anti Rat IgG (STAR73...)	RPE
Rabbit Anti Rat IgG (STAR21...)	HRP
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)	DyLight®550 , DyLight®650 , DyLight®800
Goat Anti Rat IgG (STAR131...)	Alk. Phos. , Biotin
Goat Anti Rat IgG (STAR72...)	HRP
Goat Anti Rat IgG (STAR69...)	FITC

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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