SMARCB1 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	SMARCB1, Monoclonal Antibody
Full Product Name	SMARCB1 (SWI/SNF Related, Matrix Associated, Actin Dependent Regulator of chromatin, Subfamily b, Member 1, BAF47, INI1, RDT, SNF5, SNF5L1, Sfh1p, Snr1, hSNFS) (MaxLight 750)
Product Gene Name	anti-SMARCB1 antibody
Product Synonym Names	SWI/SNF Related; Matrix Associated; Actin Dependent Regulator of chromatin; Subfamily b; Member 1; BAF47; INI1; RDT; SNF5; SNF5L1; Sfh1p; Snr1; hSNFS
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Number	2A3
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified
Specificity	Recognizes SMARCB1.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	44kDa
OMIM	162091
3D Structure	ModBase 3D Structure for Q12824
Immunogen	SMARCB1 (NP_003064, 81aa-180aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	YTTLATSVTLLKASEVEEILDGNDEKYKAVSISTEPPTYLREQKAKRNSQWVPTLPNSSHHLDAVPCSTTINRNRMGRDKKRTFPLCFDDHDPAVIHENA
Conjugate	MaxLight750
Product Categories/Family for anti-SMARCB1 antibody	Antibodies; Transcription Factors
Applications Tested/Suitable for anti-SMARCB1 antibody	FLISA, Western Blot (WB)
Application Notes for anti-SMARCB1 antibody	Applications are based on unconjugated antibody.

Related Product Information for anti-SMARCB1 antibody	The protein encoded by this gene is part of a complex that relieves repressive chromatin structures, allowing the transcriptional machinery to access its targets more effectively. The encoded nuclear protein may also bind to and enhance the DNA joining activity of HIV-1 integrase. This gene has been found to be a tumor suppressor, and mutations in it have been associated with malignant rhabdoid tumors. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Other Notes	Small volumes of anti-SMARCB1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for SMARCB1 purchase	MBS6240642 is an antibody targeting SMARCB1. Also known as SMARCB1 (SWI/SNF Related, Matrix Associated, Actin Dependent Regulator of chromatin, Subfamily b, Member 1, BAF47, INI1, RDT, SNF5, SNF5L1, Sfh1p, Snr1, hSNFS) (MaxLight 750). Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SMARCB1. It may not necessarily be applicable to this product.

NCBI GI #	27545326
NCBI GeneID	6598
NCBI Accession #	NP_003064
UniProt Primary Accession #	Q12824
UniProt Related Accession #	Q12824
GenBank Nucleotide #	NM_003073
NCBI Official Full Name	SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily B member 1 isoform a
NCBI Official Synonym Full Names	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily b, member 1
NCBI Official Symbol	SMARCB1
NCBI Official Synonym Symbols	RDT; CSS3; INI1; SNF5; Snr1; BAF47; MRD15; RTPS1; Sfh1p; hSNFS; SNF5L1; SWNTS1; PPP1R144
UniProt Protein Name	SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily B member 1
UniProt Synonym Protein Names	BRG1-associated factor 47; BAF47; Integrase interactor 1 protein; SNF5 homolog
Protein Family	SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily
UniProt Gene Name	SMARCB1
UniProt Synonym Gene Names	BAF47; INI1; SNF5L1; BAF47; hSNF5
UniProt Entry Name	SNF5_HUMAN
NCBI Protein Information	SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily B member 1
NCBI Summary for SMARCB1	The protein encoded by this gene is part of a complex that relieves repressive chromatin structures, allowing the transcriptional machinery to access its targets more effectively. The encoded nuclear protein may also bind to and enhance the DNA joining activity of HIV-1 integrase. This gene has been found to be a tumor suppressor, and mutations in it have been associated with malignant rhabdoid tumors. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Dec 2015]
Research Articles on SMARCB1	**1.** The genomic profiles of the tumors from patients with urothelial carcinoma (UC) revealed a population of tumors driven by complete loss of SMARCB1 which represents a new tumor category.
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