



Mouse Anti-Human INI-1 monoclonal antibody, clone JID719 (CABT-L2844)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	This antibody is intended for qualified laboratories to qualitatively identify by light microscopy the presence of associated antigens in sections of formalin-fixed, paraffin-embedded tissue sections using IHC test methods.
Specificity	Human INI-1
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	JID719
Conjugate	Unconjugated
Applications	IHC
Reconstitution	The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining. The concentrated antibody requires dilution in the optimized buffer, to the recommended working dilution range.
Positive Control	Brain, Endothelial Cells, Astrocytoma
Format	Liquid
Size	Predilut: 7 ml, Concentrate: 100 µl, Concentrate: 1 ml
Buffer	Predilute: Antibody Diluent Buffer

Concentrate: Tris Buffer, pH 7.3 - 7.7, with 1% BSA

Preservative	< 0.1% Sodium Azide
Storage	Store at 2-8°C. Do not freeze.
Ship	Wet ice

BACKGROUND

Introduction Integrase interactor 1 (INI-1), also known as hSNF5, is an integral component of the hSWI/SNF (SWItch/Sucrose Non-Fermentable) chromatin remodeling complex, which facilitates DNA-dependent cellular processes including transcription, replication, and repair. The INI-1 gene is often mutated or deleted in malignant rhabdoid tumor (MRT), a tumor which is potentially mimicked by medulloblastoma and supratentorial primitive neuroectodermal tumors (sPNETs). The morphology of MRTs can often present challenges in differential diagnosis, and INI-1 has shown to be useful in distinguishing between the three conditions as the majority of medulloblastomas and sPNETs are labeled by Anti-INI-1, while a lack of nuclear labeling by the same antibody is characteristic of MRT.

Keywords SMARCB1;SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily b, member 1;RDT;INI1;SNF5;Snr1;BAF47;MRD15;RTPS1;Sfh1p

GENE INFORMATION

Gene Name	SMARCB1 SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily b, member 1 [Homo sapiens (human)]
Official Symbol	SMARCB1
Synonyms	SMARCB1; SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily b, member 1; RDT; INI1; SNF5; Snr1; BAF47; MRD15; RTPS1; Sfh1p; hSNFS; SNF5L1; SWNTS1; PPP1R144; SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily B member 1; hSNF5; SNF5 homolog; BRG1-associated factor 47; integrase interactor 1 protein; malignant rhabdoid tumor suppressor; SWI/SNF-related matrix-associated protein; sucrose nonfermenting, yeast, homolog-like 1; protein phosphatase 1, regulatory subunit 144;
Entrez Gene ID	6598
Protein Refseq	NP_001007469
UniProt ID	Q12824

Chromosome Location	22q11.23; 22q11
Pathway	Chromatin modifying enzymes; Chromatin organization; RMTs methylate histone arginines; Regulation of retinoblastoma protein; TNF-alpha/NF-kB Signaling Pathway;
Function	contributes_to RNA polymerase II core promoter proximal region sequence-specific DNA binding; contributes_to RNA polymerase II distal enhancer sequence-specific DNA binding; Tat protein binding; contributes_to nucleosomal DNA binding; p53 binding; protein binding; transcription coactivator activity;