

Mouse Anti-INI1/SNF5/BAF47 [A5]: MC0371, MC0371RTU7

Intended Use: For Research Use Only

Description: The INI1 gene, which encodes a functionally uncharacterized protein component of the hSWI/SNF chromatin remodeling complex, is often mutated or deleted in malignant rhabdoid tumor (MRT). Two isoforms of INI1 or SNF5 or BAF47, that differ by the variable inclusion of amino acids, potentially are produced by differential RNA splicing. The morphology of MRTs can present challenges in differential diagnosis. The overall survival of MRTs relative to its potential mimics (medulloblastoma, supratentorial primitive neuroectodermal tumors (sPNETs)) is quite low, and thus differentiation from these other tumors is desirable. Lack of nuclear labeling by anti-INI1 is characteristic of MRT. The majority of medulloblastomas and sPNETs are labeled by anti-INI1. MRTs also originate from the kidney and soft tissues.

Specifications:

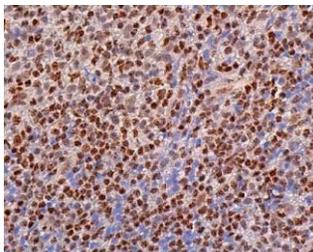
Clone: A5
 Source: Mouse
 Isotype: IgG1
 Reactivity: Human, mouse, rat
 Immunogen: Amino acids 1-300 of human INI1
 Localization: Nucleus
 Formulation: Antibody in PBS pH7.4, containing BSA and $\leq 0.09\%$ sodium azide (NaN₃)
 Storage: Store at 2°- 8°C
 Applications: IHC, ELISA, IF, IP, WB
 Package:

Description	Catalog No.	Size
INI1/SNF5/BAF47 Concentrated	MC0371	1 ml
INI1/SNF5/BAF47 Prediluted	MC0371RTU7	7 ml

IHC Procedure*:

Positive Control Tissue: Brain, kidney, colon ca, lung ca, SCC of cervix tissue
 Concentrated Dilution: 50-200
 Pretreatment: Tris EDTA pH9.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
 Incubation Time and Temp: 30-60 minutes @ RT
 Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human tonsil stained with anti-INI1 using DAB showing nuclear staining of cells in germinal center and cells in non-germinal center

References:

1. Immunoreactivity for Ca 125 and INI1 loss of expression are useful markers in the diagnosis of vulvar proximal-type epithelioid sarcomas: report of two cases. Cossu A, et al. Eur J Gynaecol Oncol. 34(5):469-72, 2013.
2. Specificity and sensitivity of INI-1 labeling in epithelioid sarcoma. Loss of INI1 expression as a frequent immunohistochemical event in synovial sarcoma. Mularz K, et al. Pol J Pathol. Nov;63(3):179-83, 2012.
3. Intra-articular epithelioid sarcoma showing mixed classic and proximal-type features: report of 2 cases, with immunohistochemical and molecular cytogenetic INI-1 study. Kosemehmetoglu K, et al. Am J Surg Pathol. Jun;35(6):891-7, 2011.