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DATA SHEET

Mouse Anti-INI1/SNF5/BAF47 [25]: MC0542, MC0542RTU7

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, supratenorial 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:	25
Source:	Mouse
Isotype:	IgG2a
Reactivity:	Human
Localization:	Nucleus
Formulation:	Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
Storage:	Store at 2°- 8°C
Applications:	IHC, WB

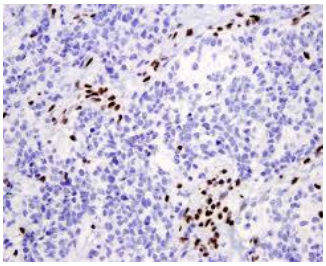
Package:

Description	Catalog No.	Size
INI1/SNF5/BAF47 Concentrated	MC0542	1 ml
INI1/SNF5/BAF47 Prediluted	MC0542RTU7	7 ml

IHC Procedure*:

Positive Control Tissue:	Brain, astrocytoma
Concentrated Dilution:	50-100
Pretreatment:	Citrate pH6.0, or 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.



Human rhabdoid tumor FFPE tissue stained with anti-INI1 using DAB.
Note the nuclear staining of stromal/endothelial cells and absence of staining of tumor cells.

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.
4. Novel immunohistochemical markers in the diagnosis of nonglial tumors of nervous system. Takei H, et al. Adv Anat Pathol. Mar;17(2):150-3, 2010.

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