Product Datasheet

INI1 Antibody / Integrase interactor 1 / SMARCB1 / BAF47 (orb2635159)

Catalog Number	orb2635159
Category	Antibodies
Description	The SMARCB1 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 INI-1, 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-INI-1 is characteristic of MRT. The majority of medulloblastomas and sPNETs are labeled by anti-INI-1. MRTs also originate from the kidney and soft tissues.
Clonality	Monoclonal
Species/Host	Mouse
Isotype	Mouse IgG2b, kappa
Conjugation	Unconjugated
Reactivity	Human
Buffer/Preservatives	1 mg/ml in 1X PBS; rAlbumin free, sodium azide free
Purification	Protein A/G affinity
Immunogen	A portion of amino acids 65-184 was used as the immunogen for the INI1 antibody.

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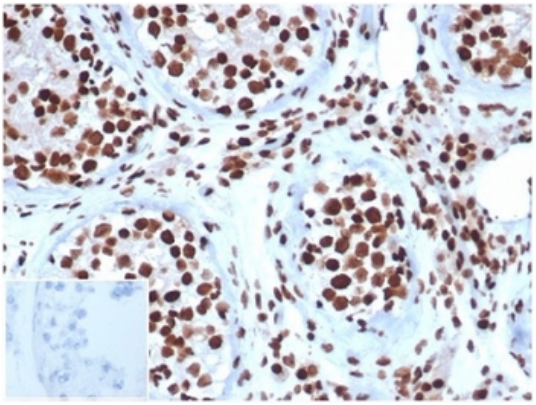
UniProt ID	**Q12824**
Tested applications	IHC-P
Dilution range	Immunohistochemistry (FFPE): 1-2ug/ml
Application notes	Optimal dilution of the INI1 antibody should be determined by the researcher.
Antibody Type	Primary Antibody
Clone Number	SMARCB1/3984
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



IHC staining of FFPE human testis tissue with INI1 antibody (clone SMARCB1/3984) at 2 ug/ml. Negative control inset: PBS instead of primary antibody to control for secondary binding. HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

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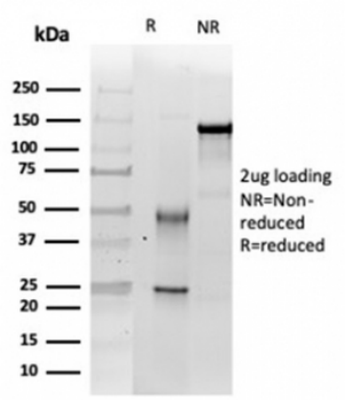
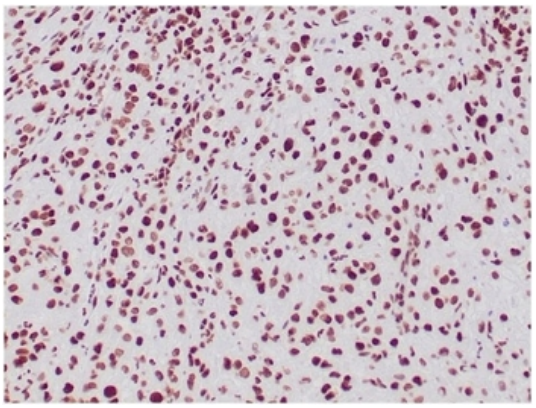
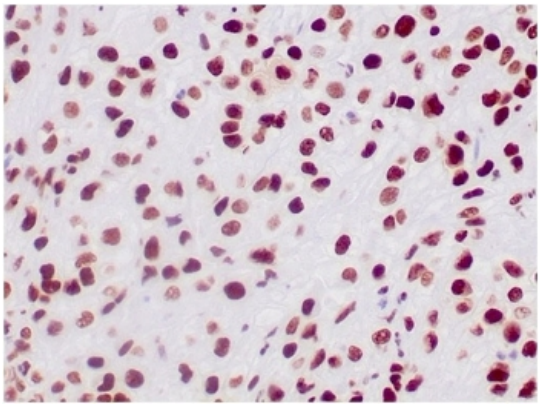


SDS-PAGE analysis of purified, BSA-free INI1 antibody (clone SMARCB1/3984) as confirmation of integrity and purity.



IHC staining of FFPE human epithelioid sarcoma with INI1 antibody (clone SMARCB1/3984). HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human epithelioid sarcoma tissue with INI1 antibody (clone SMARCB1/3984). HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

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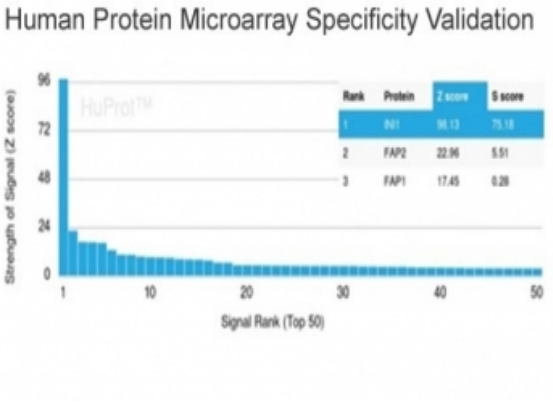

Analysis of HuProt (TM) microarray containing more than 19000 full-length human proteins using INI1 antibody (clone SMARCB1/3984). These results demonstrate the foremost specificity of the SMARCB1/3984 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt (TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt (TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.

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