Integrase interactor 1 (INI-1) / SNF5 / SMARCB1 Antibody

Mouse Monoclonal Antibody [Clone SMARCB1/3984]

Catalog No	Format	Size
6598-MSM4-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
6598-MSM4-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
6598-MSM4-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

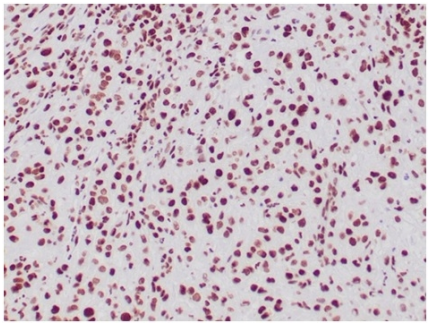
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

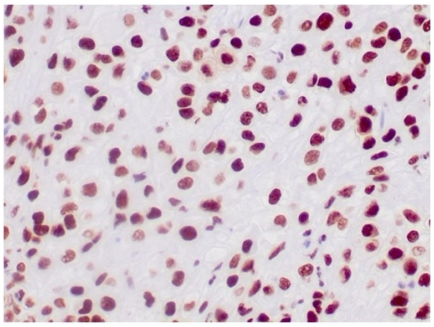
Clone	SMARCB1/3984
Gene Name	SMARCB1
Immunogen	Recombinant fragment (around aa 65-184) of human SMARCB1 protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b / Kappa
Mol. Weight of Antigen	47kDa
Cellular Localization	Nucleus
Species Reactivity	Human
Positive Control	astrocytoma or kidney., Human brain

**Optimal dilution for a specific application should be determined.*

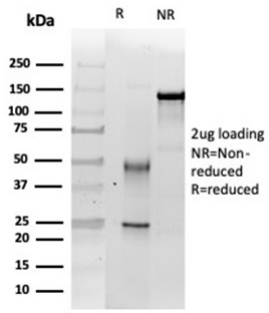
Product Images for Integrase interactor 1 (INI-1) / SNF5 / SMARCB1 Antibody



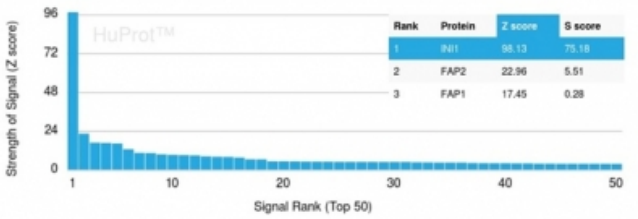
Formalin-fixed, paraffin-embedded human epithelioid sarcoma stained with INI-1 Mouse Monoclonal Antibody (SMARCB1/3984).



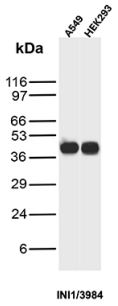
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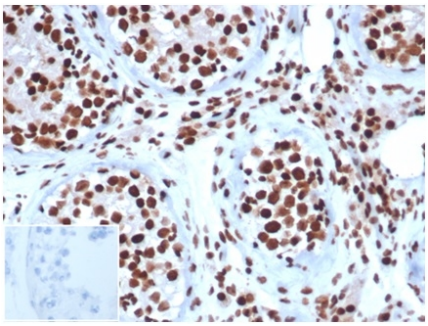
SDS-PAGE Analysis Purified INI-1 Mouse Monoclonal Antibody (SMARCB1/3984). Confirmation of Purity and Integrity of Antibody.



Analysis of Protein Array containing more than 19,000 full-length human proteins using INI-1-Monospecific Mouse Monoclonal Antibody (SMARCB1/3984). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to be specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Western blot analysis of A549 and HEK293 cell lysates using INI-1 Mouse Monoclonal Antibody (SMARCB1/3984).



Formalin-fixed, paraffin-embedded human testis stained with INI-1Mouse Monoclonal Antibody (SMARCB1/3984) at 2ug/ml. Inset: PBS instead of primary antibody, secondary negative control.

Specificity & Comments

The INI-1 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.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Nuclear Marker, Transcription Factors

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

2 Union Square, Union City, CA 94587, Tel: 1-866-2-NEOBIO (1-866-263-6246)
orders@NeoBiotechnologies.com, www.NeoBiotechnologies.com

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