SMARCAL1 Antibody

Mouse Monoclonal Antibody [Clone PCRP-SMARCAL1-1C4]

Catalog No	Format	Size
50485-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
50485-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
50485-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

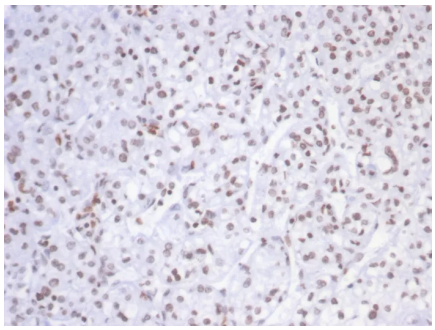
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

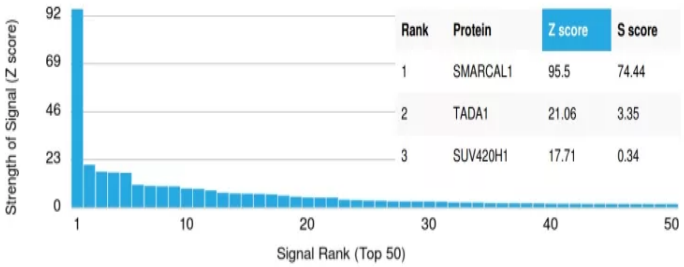
Clone	PCRP-SMARCAL1-1C4
Gene Name	SMARCAL1
Immunogen	Recombinant full-length human SMARCAL1 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2c / Kappa
Mol. Weight of Antigen	110 kDa
Cellular Localization	Nucleus.
Species Reactivity	Human
Positive Control	HeLa whole cell lysate. Human prostate or breast carcinoma.

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

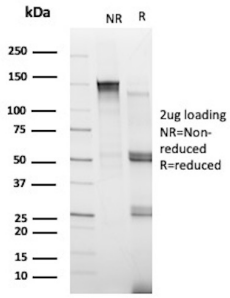
Product Images for SMARCAL1 Antibody



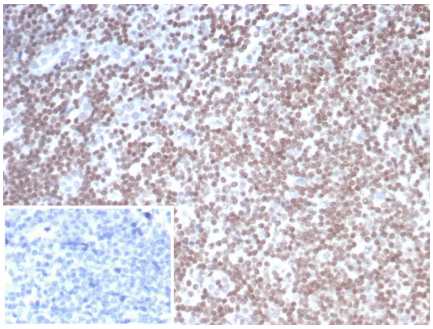
Formalin-fixed, paraffin-embedded human kidney carcinoma stained with SMARCAL1 Mouse Monoclonal Antibody (PCRP-SMARCAL1-1C4). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.



Analysis of Protein Array containing more than 19,000 full-length human proteinsusing SMARCAL1 Mouse Monoclonal Antibody (PCRP-SMARCAL1-1C4) 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 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.



SDS-PAGE Analysis of Purified SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A-like protein 1 Mouse Monoclonal Antibody (PCRP-SMARCAL1-1C4). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human tonsil stained with SMARCAL1 Mouse Monoclonal Antibody (PCRP-SMARCAL1-1C4). Inset: PBS instead of primary antibody; secondary only negative control.

Specificity & Comments

SmarcAL1 (SWI/SNF-related matrix-associated Actin-dependent regulator of chromatin subfamily A-like protein 1), also known as HARP (hepA-related protein) or HHARP, is a 954 amino acid member of the SWI/SNF family of helicase and ATPase proteins. Localized to the nucleus, SmarcAL1 is a ubiquitously expressed protein that functions in ATP-dependent nucleosomeremodeling activities. SmarcAL1 contains one conserved C-terminal SNF2 domain, one helicase ATP-binding domain and two HARP domains. Defects in the gene encoding SmarcAL1 are the cause of Schimke immuno-osseous dysplasia (SIOD), an autosomal recessive disorder characterized by renal dysfunction, spondyloepiphyseal dysplasia and T cell immunodeficiency.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% 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

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.

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