Recombinant BRG1 / SMARCA4 Antibody

Rabbit Monoclonal Antibody [Clone BRG1/8805R]

Catalog No	Format	Size
6597-RBM3-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
6597-RBM3-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
6597-RBM3-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

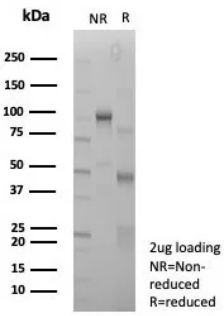
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

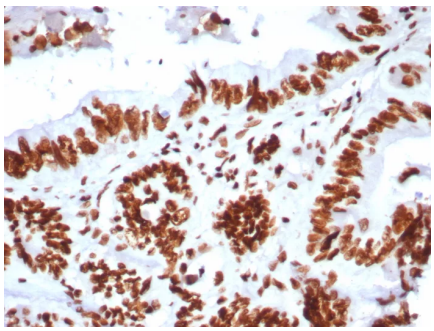
Clone	BRG1/8805R
Gene Name	SMARCA4
Immunogen	Recombinant fragment (around aa 200-400) of human SMARCA4 protein (exact sequence is proprietary)
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	185kDa
Cellular Localization	Nucleus.
Species Reactivity	Human
Positive Control	HeLa or HEK-293T cells. Ubiquitous nuclear expression.

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

Product Images for Recombinant BRG1 / SMARCA4 Antibody



SDS-PAGE Analysis of Purified BRG1 / Recombinant Rabbit Monoclonal Antibody (BRG1/8805R). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human colon stained with BRG1 / Recombinant Rabbit Monoclonal Antibody (BRG1/8805R). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.

Specificity & Comments

The SWI-SNF complex is involved in the activation of transcription via the remodeling of nucleosome structure in an ATP-dependent manner. Brm (also designated SNF2?) and Brg-1 (also designated SNF2?) are the ATPase subunits of the mammalian SWI/SNF complex. Brm, Brg-1, Ini1 (integrase interactor 1, also designated SNF5), BAF155 (also designated SRG3) and BAF170 are thought to comprise the functional core of the SWI/SNF complex. Addition of Ini1, BAF155 and BAF170 to Brg-1 appears to increase remodeling activity. Other complex subunits are thought to play regulatory roles. hSNF2L and hSNF2H both appear to be homologs of Drosophila ISWI, a Brm related ATPase that is present in chromatin remodeling complexes other than SWI/ SNF, including the NURF (nucleosome remodeling factor).

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

Developmental Biology, Immunology, Cytokine Signaling, Neural Stem Cells, Nuclear Marker, Signal Transduction, Stem Cell Differentiation, Transcription Factors

Limitations and Warranty