

Recombinant BRG1 / SMARCA4 (Marker of Small Cell Ovarian Carcinoma (SCCOHT)) 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

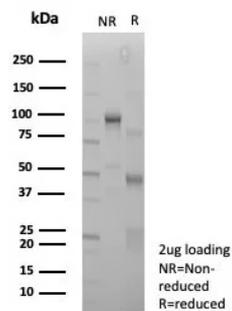
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

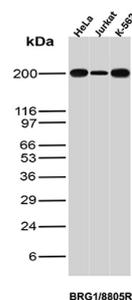
Clone	BRG1/8805R
Gene Name	SMARCA4
Immunogen	Recombinant fragment (around aa 200-400) of human SMARCA4 protein (exact sequence is proprietary)
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	185kDa
Cellular Localization	Nucleus
Species Reactivity	Human
Positive Control	Jurkat, K-562, HeLa or HEK-293T cells. Ubiquitous nuclear expression.

*Optimal dilution for a specific application should be determined.

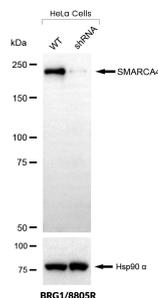
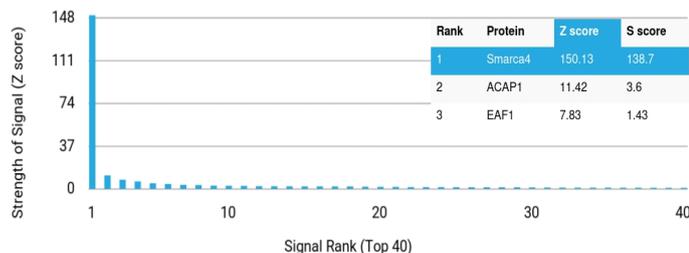
Product Images for Recombinant BRG1 / SMARCA4 (Marker of Small Cell Ovarian Carcinoma (SCCOHT)) Antibody



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

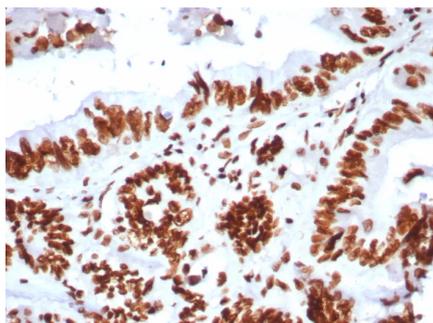


Western blot analyses of HeLa, Jurkat and K-562 cell lysates using BRG1 Recombinant Rabbit Monoclonal Antibody (BRG1/8805R).



Analysis of HuProt™ Protein Array (21,000+ full-length human proteins) with BRG1 / SMARCA4 Recombinant Rabbit Monoclonal Antibody (BRG1/8805R). Z-score: Signal strength (in SD above the mean) of antibody binding to each protein. S-score: Difference in Z-scores between the top target and the next best hit, indicating relative specificity. An antibody is considered specific if S > 2.5. Example: Binding to protein X (Z = 43) vs protein Y (Z = 14) ? S = 29.

Western Blot validation of anti-BRG1 antibody. BRG1 protein expression was compared in wild-type (WT) and BRG1 shRNA Knockdown (KD) HeLa cells (30ug of total protein). Loading control is shown below.



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).

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.

Supplied As

200ug/ml of Ab produced in CHO cell mammalian-based expression system. 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

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