

## Recombinant BRG1 / SMARCA4 Antibody

Rabbit Monoclonal Antibody [Clone MSVA-397R]

| Catalog No   | Format                         | Size   |
|--------------|--------------------------------|--------|
| 6597-RBM7-P0 | Purified Ab with BSA and Azide | 20 ug  |
| 6597-RBM7-P1 | Purified Ab with BSA and Azide | 100 ug |

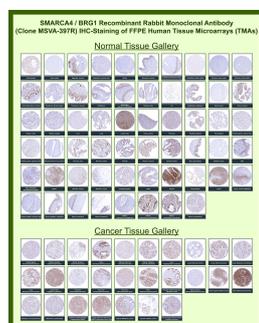
| Applications               | Tested Dillution | Note   |
|----------------------------|------------------|--|
| Immunohistochemistry (IHC) | 1:100-1:200      | Manual Protocol: Freshly cut sections should be used (less than 10 days between cutting and staining). Heat-induced antigen retrieval for 5 minutes in an autoclave at 121°C in pH 7.8 Target Retrieval Solution buffer. Apply the antibody at a dilution of 1:150 at 37°C for 60 minutes. Visualization of bound antibody by the EnVision Kit (Dako, Agilent) according to the manufacturer's directions. |

### Product Details

|                               |   |
|-------------------------------|---|
| <b>Clone</b>                  | MSVA-397R   |
| <b>Immunogen</b>              | Recombinant fragment (around aa 200-400) of human SMARCA4 protein (exact sequence is proprietary) |
| <b>Host</b>                   | Rabbit  |
| <b>Clonality</b>              | Monoclonal  |
| <b>Isotype / Light Chain</b>  | IgG / Kappa   |
| <b>Mol. Weight of Antigen</b> | 185kDa  |
| <b>Cellular Localization</b>  | Nucleus   |
| <b>Species Reactivity</b>     | Human   |
| <b>Positive Control</b>       | Kidney: All cells should display an at least moderate nuclear SMARCA4 immunostaining.             |

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

### Product Images for Recombinant BRG1 / SMARCA4 Antibody



Transcription activator BRG1 Rabbit Recombinant Monoclonal Antibody (MSVA-397R) tested on many normal and cancer tissues. The immunohistochemistry staining in these tissues aligns with the expression data in Human Protein Atlas.

### 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

Ab produced in HEK293 cell mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide.

### 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

## 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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