

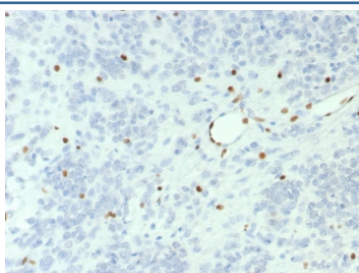
## BRG1 Antibody / SMARCA4 [clone BRG1/7633R] (V4587)

| Catalog No.    | Formulation   | Size   |
|----------------|---|--------|
| V4587-100UG    | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V4587-20UG     | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug  |
| V4587SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free                          | 100 ug |

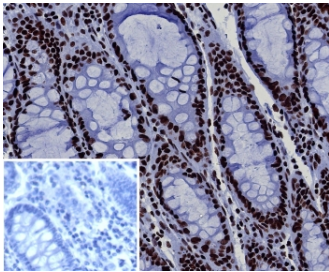
Recombinant **RABBIT MONOCLONAL**

[Bulk quote request](#)

|                           |   |
|---------------------------|---|
| <b>Availability</b>       | 1-3 business days   |
| <b>Species Reactivity</b> | Human   |
| <b>Format</b>             | Purified  |
| <b>Clonality</b>          | Recombinant Rabbit Monoclonal   |
| <b>Isotype</b>            | Rabbit IgG, kappa   |
| <b>Clone Name</b>         | BRG1/7633R  |
| <b>Purity</b>             | Protein A/G affinity  |
| <b>UniProt</b>            | P51532  |
| <b>Localization</b>       | Nucleus   |
| <b>Applications</b>       | ELISA (Order BSA-free Format For Coating) :<br>Western Blot : 1-2ug/ml<br>Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT |
| <b>Limitations</b>        | This BRG1 antibody is available for research use only.  |



IHC staining of FFPE human ovarian small cell carcinoma with BRG1 antibody (clone BRG1/7633R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human colon tissue with BRG1 antibody (clone BRG1/7633R). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

## Description

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 SNF2A) and Brg-1 (also designated SNF2B) are the ATPase subunits of the mammalian SWI/SNF complex. Brm, Brg-1, Ini1 (integrator 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).

## Application Notes

Optimal dilution of the BRG1 antibody should be determined by the researcher.

## Immunogen

A recombinant partial protein sequence (within amino acids 200-400) from the human protein was used as the immunogen for the BRG1 antibody.

## Storage

Aliquot the BRG1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.