

iFluor™ 488 Conjugated Anti-BRG1 Antibody [SN20-03] HA720177F



Product Type:	Recombinant Rabbit monoclonal IgG, primary antibodies
Species reactivity:	Human, Mouse, Rat
Applications:	IF-Tissue
Molecular Wt:	Predicted band size: 185 kDa
Clone number:	SN20-03

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 SNF2 α) and Brg-1 (also designated SNF2 β) 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).

Conjugate: iFluor™ 488, Ex: 491nm; Em: 516nm.

Immunogen: Synthetic peptide within human BRG1 aa 240-280.

Positive control: Rat brain tissue.

Subcellular location: Nucleus.

Database links: SwissProt: P51532 Human | Q3TKT4 Mouse | Q8K1P7 Rat

Recommended Dilutions:
IF-Tissue 1:200

Storage Buffer: Preservative: 0.02% Sodium azide Constituents: 30% Glycerol, 1% BSA, 68.98% PBS.

Storage Instruction: Store at +4°C after thawing. Aliquot store at -20°C. Avoid repeated freeze / thaw cycles.

Purity: Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

Service mail:support@huabio.cn

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Images

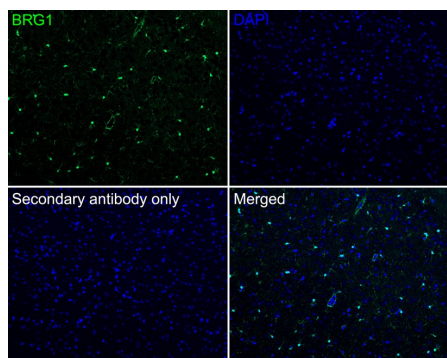


Fig1: Immunofluorescence analysis of paraffin-embedded rat brain tissue labeling BRG1 (HA720177F).

The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0) for 2 minutes. The tissues were blocked in 10% negative goat serum for 1 hour at room temperature, washed with PBS. And then probed with the primary antibody BRG1 (HA720177F, iFluor™ 488) at 1/200 dilution overnight at 4 °C, washed with PBS. DAPI was used as nuclear counterstain.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. Madsen MS et al. Peroxisome proliferator-activated receptor and C/EBP α synergistically activate key metabolic adipocyte genes by assisted loading. *Mol Cell Biol* 34:939-54 (2014).
2. Ramos P et al. Small cell carcinoma of the ovary, hypercalcemic type, displays frequent inactivating germline and somatic mutations in SMARCA4. *Nat Genet* 46:427-9 (2014).

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