COSMO BIO CO., LTD.
Inspiration for Life Science

**MONOCLONAL ANTIBODY**

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**Catalog No. CE-021A**

# Anti-Brg1 antibody

## BACKGROUND

Brm-related gene-1 (Brg1) is a catalytic subunit of the SWI/SNF chromatin remodeling enzyme complex that has ATPase activity. This complex facilitates chromatin remodeling for gene expression by utilizing energy for ATP hydrolysis. It is well known that the SWI/SNF chromatin remodeling enzyme complex is essential for cell differentiation, cell cycle regulation, and embryogenesis.

| | |
|---|---|
| **Product type** | Primary antibodies |
| **Host** | Rat |
| **Source** | Culture supernatant |
| **Form** | Liquid |
| | Purified monoclonal antibody in PBS, 50% Glycerol, 0.05% NaN3. |
| **Volume** | 200 μl |
| **Concentration** | 0.5 mg/ml |
| **Specificity** | Brg1 |
| **Antigen** | Recombinant GST-fused N-terminus region of human Brg1 (aa 213-295). |
| **Clone** | 3G4 |
| **Isotype** | IgG1 |

**Application notes** WB, ICC, IHC, ChIP, IP

**Recommended dilutions**

Western blotting, 1/1,000 to 1/5,000

Immunocytochemistry, 1/100 to 1/500

Immunohistochemistry, 1/100 to 1/500

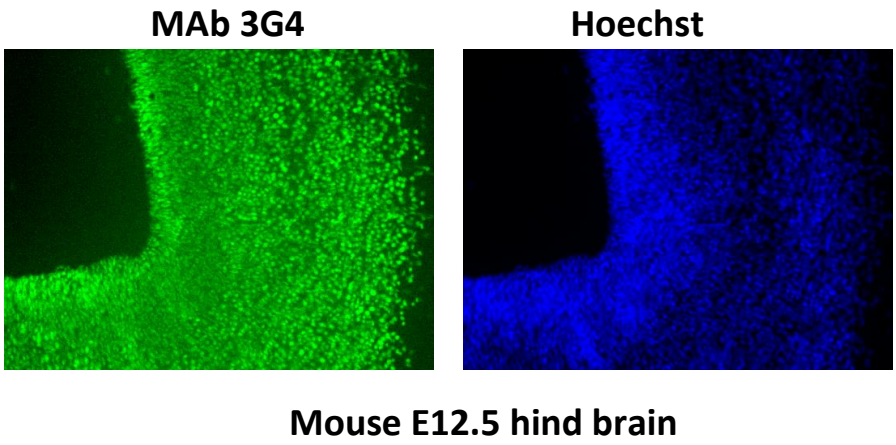


Fig.1 Immunohistochemistry/ Immunofluorescence - Brg1 antibody (3G4)
mouse E12.5 hind brain

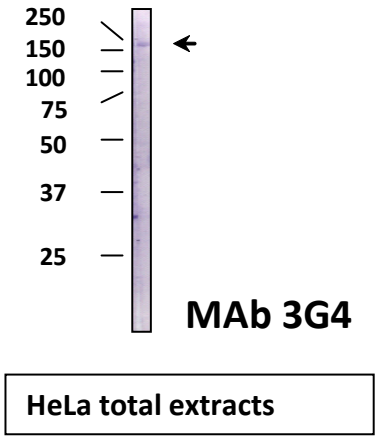


Fig.2 Western blot - Brg1 antibody (3G4)
HeLa cell total extracts

Optimal dilutions/concentrations should be determined by the end user.

**Cross reactivity** Human, Monkey, Mouse Other species have not been tested.

**Storage** Store below -20°C (below -70°C for prolonged storage).

**References**

1) Ohkawa et al., (2007) J. Biol. Chem. 282, 6564-6570.
2) Ohkawa et al., (2010) Hybridoma, 6, 463-466.
This antibody is used in ref.1 and 2.

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