



MONOCLONAL ANTIBODY

For research use only. Not for clinical diagnosis

Catalog No. CEC-035

Anti- Brg1 antibody [Clone : 3G4]

BACKGROUND

Brg1-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 antibody
Immunogen	Recombinant GST-fused N-terminus region of human Brg1 (aa 213-295).
Host	Rat
Clone number	3G4
Isotype	IgG1, κ
Source	Culture supernatant
Purification	Ion-exchange chromatography
Form	Liquid
Presentation	Purified monoclonal antibody in PBS, 50% Glycerol, 0.05%w/v ProClin300
Concentration	0.5 mg/mL
Volume	200 μ L
Label	Unlabeled
Specificity	Brg1
Cross reactivity	Human, Monkey, Mouse Other species have not been tested.
Storage	Store below -20°C (below -70°C for prolonged storage) Aliquot to avoid cycles of freeze/thaw.
Other	-

Application notes **Recommended use**
WB, ICC, IHC, ChIP, IP Not tested for other applications.

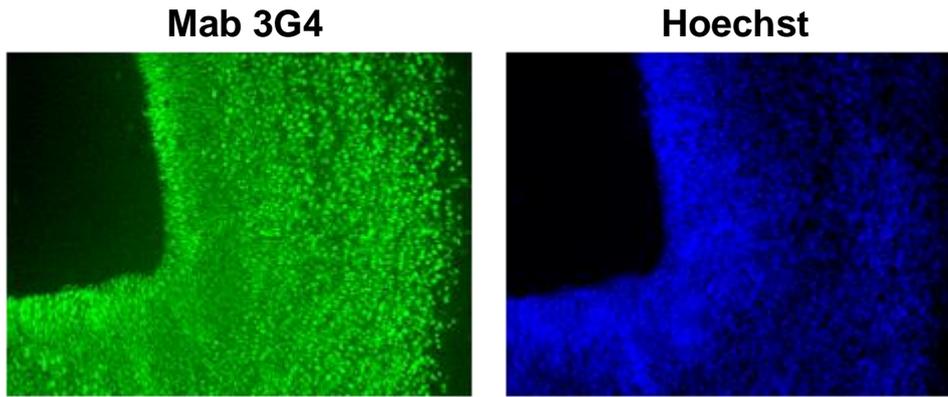
Recommended dilutions
Western blotting, 1/1,000 to 1/5,000
Immunocytochemistry, 1/100 to 1/500
Immunohistochemistry, 1/100 to 1/500

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

References
1) Ohkawa et al., (2007) J. Biol. Chem. 282, 6564-6570.
2) Ohkawa et al., (2010) Hybridoma, 6, 463-466.

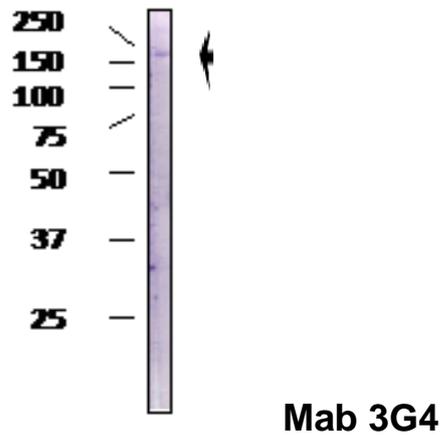
This antibody is used in ref.1 and 2.

ANTIBODY CHARACTERIZATION



Mouse E12.5 hind brain

Fig.1 Immunocytochemistry/ Immunofluorescence – Brg1 antibody (3G4), Mouse E12.5 hind brain



HaLa total extracts

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

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