

## FOXG1 BF-1 Antibody FITC Conjugated

Catalog No: #C01302F

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## Description

Product Name	FOXG1 BF-1 Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	ICC IF
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide derived from human FOXG1
Conjugates	FITC
Target Name	FOXG1 BF-1
Other Names	BF 1; BF 2; BF-1; BF-2; BF1; BF2 ; Brain factor 1; Brain factor 2; FHLK; FKH2; FKHL1; FKHL2; FKHL2; FKHL3; FKHL4; Forkhead box G1A; Forkhead box G1B; Forkhead box protein G1; Forkhead box protein G1A; Forkhead box protein G1B; Forkhead box protein G1C; Forkhead drosophila homolog like 2; Forkhead li
Excitation Emission	494nm 518nm
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

## Application Details

ICC=1:50-200 IF=1:50-200

## Background

The winged-helix transcriptional repressor (WH) BF-1 gene encodes brain factor 1 (BF-1), also known as foxg1, and is essential for the proliferation of progenitor cells in the cerebral cortex and influences regional patterning in the mammalian telencephalon (1a4). WH proteins are a family of putative transcriptional regulators with diverse roles in development, and are characterized by a highly conserved DNA binding structure, the WH domain (1,5,6). BF-1 plays a critical role in the development of the cerebral hemispheres of the brain and targeted disruption of the gene leads to severe defects in the development of telencephalic structures, such as the cerebral cortex and basal ganglia (1). The loss of BF-1 results in an accelerated rate of neuronal differentiation and the shortening of the neurogenetic period in the embryonic cerebral cortex (1,7). BF-1 is expressed by E8.5 in telencephalic progenitors (1). It may also regulate the response of cerebral cortical progenitors to environmental cues (1).

Note: This product is for in vitro research use only