

Datasheet for ABIN1391974

**anti-FOXG1 antibody (AbBy Fluor® 488)**[Go to Product page](#)

## Overview

|              |                                                      |
|--------------|------------------------------------------------------|
| Quantity:    | 100 µL                                               |
| Target:      | FOXG1                                                |
| Reactivity:  | Human, Mouse, Rat                                    |
| Host:        | Rabbit                                               |
| Clonality:   | Polyclonal                                           |
| Conjugate:   | This FOXG1 antibody is conjugated to AbBy Fluor® 488 |
| Application: | Western Blotting (WB)                                |

## Product Details

|                       |                                                           |
|-----------------------|-----------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human FOXG1 |
| Isotype:              | IgG                                                       |
| Cross-Reactivity:     | Rat                                                       |
| Predicted Reactivity: | Human, Mouse, Dog, Horse, Chicken, Rabbit                 |
| Purification:         | Purified by Protein A.                                    |

## Target Details

|                   |                                                                                                                                                                             |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | FOXG1                                                                                                                                                                       |
| Alternative Name: | Foxg1/Bf-1 ( <a href="#">FOXG1 Products</a> )                                                                                                                               |
| Background:       | Synonyms: BF 1, BF 2, BF-1, BF-2, BF1, BF2 , Brain factor 1, Brain factor 2, FHKL, FKHL1, FKHL2, FKHL3, FKHL4, Forkhead box G1A, Forkhead box G1B, Forkhead box protein G1, |

## Target Details

Forkhead box protein G1A, Forkhead box protein G1B, Forkhead box protein G1C, Forkhead drosophila homolog like 2, Forkhead like 1, Forkhead like 2, FOXG1\_HUMAN.

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 (14). 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).

## Application Details

Application Notes: IF(IHC-P) 1:50-200

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months