

Datasheet for ABIN5002833
anti-FOXG1 antibody (AbBy Fluor® 680)



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Overview

Quantity:	100 µL
Target:	FOXG1
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FOXG1 antibody is conjugated to AbBy Fluor® 680
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 (FOXG1 Products)
Background:	Synonyms: BF 1, BF 2, BF-1, BF-2, BF1, BF2 , Brain factor 1, Brain factor 2, FHKL, FKH2, FKHL1, FKHL2, 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.

Storage: -20 °C

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

Expiry Date: 12 months