

Datasheet for 600-401-BG3**FOXG1 Antibody****Overview**

Description:	Anti-FOXG1 (RABBIT) Antibody - 600-401-BG3
Item No.:	600-401-BG3
Size:	100 µg
Applications:	ELISA, IF, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	FOXG1 belongs to the forkhead family of transcription factors which is characterized by a distinct forkhead domain and plays an important role in the development of the brain and telencephalon (1). It is essential for the proliferation of progenitor cells in the cerebral cortex and influences regional patterning in the mammalian telencephalon (2,3). Expression is restricted to the neurons of the developing telencephalon (3). The loss of FOXG1 results in an accelerated rate of neuronal differentiation and the shortening of the neurogenetic period in the embryonic cerebral cortex (2,4).
Synonyms:	Forkhead box G1, Brain factor 1, Brain factor 2, BF1, BF2, FKH2, FKHL1, FKHL2, FKHL3, FKHL4, Forkhead box protein G1, FOXG1A, FOXG1B, FOXG1C, HBF-1, HBF2, HBF-3, HBF-G2, HFK1, HFK2, HFK3, KHL2, QIN
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	FOXG1
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-FOXG1 antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid peptide near the internal region of human FOXG1.

Purity/Specificity: Anti-FOXG1 antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. FOXG1 antibody is human, mouse and rat reactive.

Relevant Links:

- [UniProtKB - P55316](#)
- [GeneID - 2290](#)
- [NCBI - NP_005240](#)

Application Details

Tested Applications: ELISA, IF, WB

Application Note: Anti-FOXG1 Antibody has been tested for use in ELISA, IF, and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 52 kDa in Western Blots of specific cell lysates and tissues.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:10,000-1:20,000

IF: 20 µg/ml

WB: 1-2 µg/mL

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1.0 mg/mL by UV absorbance at 280 nm

Buffer: 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2

Preservative: 0.02% (w/v) Sodium Azide

Stabilizer: None

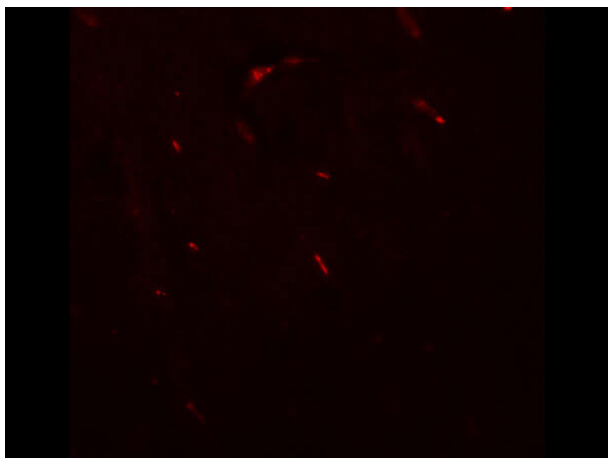
Shipping & Handling

Shipping Condition: Wet Ice

Storage Condition: Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.

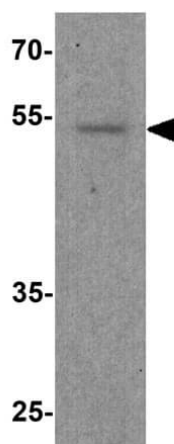
Expiration: Expiration date is one (1) year from date of receipt.

Images



Immunofluorescence Microscopy

Immunofluorescence of Anti-FOXG1 Antibody. Tissue: mouse brain tissue. Antibody: FOXG1 antibody at 20 µg/ml.



Western Blot

Western blot results of Anti-FOXG1 Antibody. Lane 1: rat brain tissue lysate. Primary Antibody: FOXG1 antibody at 1 µg/ml. Expect: ~52 kDa.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.