

**Goat Anti-FOXG1 / BF2 Antibody**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF1430a****Specification**

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**Goat Anti-FOXG1 / BF2 Antibody - Product Information**

Application	WB, IF, ICC, E
Primary Accession	<a href="#">P55316</a>
Other Accession	<a href="#">NP_005240</a> , <a href="#">2290</a> , <a href="#">15228 (mouse)</a> , <a href="#">24370 (rat)</a>
Reactivity	Human, Mouse
Predicted	Rat, Dog
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	52352

**Goat Anti-FOXG1 / BF2 Antibody - Additional Information****Gene ID** 2290**Other Names**

Forkhead box protein G1, Brain factor 1, BF-1, BF1, Brain factor 2, BF-2, BF2, hBF-2, Forkhead box protein G1A, Forkhead box protein G1B, Forkhead box protein G1C, Forkhead-related protein FKHL1, HFK1, Forkhead-related protein FKHL2, HFK2, Forkhead-related protein FKHL3, HFK3, FOXG1

**Dilution**

WB~~1:1000  
IF~~1:50~200  
ICC~~N/A  
E~~N/A

**Format**

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat Anti-FOXG1 / BF2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-FOXG1 / BF2 Antibody - Protein Information**

**Name FOXG1****Function**

Transcription repression factor which plays an important role in the establishment of the regional subdivision of the developing brain and in the development of the telencephalon.

**Cellular Location**

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00089, ECO:0000269|PubMed:21280142}

**Tissue Location**

Expression is restricted to the neurons of the developing telencephalon.

**Goat Anti-FOXG1 / BF2 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Goat Anti-FOXG1 / BF2 Antibody - Images**

AF1430a (0.3 µg/ml) staining of Human Brain lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

**Goat Anti-FOXG1 / BF2 Antibody - Background**

This gene belongs to the forkhead family of transcription factors which is characterized by a distinct forkhead domain. The specific function of this gene has not yet been determined; however, it may play a role in the development of the brain and telencephalon.

**Goat Anti-FOXG1 / BF2 Antibody - References**

Epilepsy in Rett syndrome: Clinical and genetic features. Pintaudi M, et al. Epilepsy Behav, 2010 Aug 20. PMID 20728410.

Revisiting the phenotype associated with FOXP1 mutations: two novel cases of congenital Rett variant. Bahi-Buisson N, et al. Neurogenetics, 2010 May. PMID 19806373.

Novel FOXP1 mutations associated with the congenital variant of Rett syndrome. Mencarelli MA, et al. J Med Genet, 2010 Jan. PMID 19578037.

Phenotypic variability in Rett syndrome associated with FOXP1 mutations in females. Philippe C, et al. J Med Genet, 2010 Jan. PMID 19564653.

FOXP1 is responsible for the congenital variant of Rett syndrome. Ariani F, et al. Am J Hum Genet, 2008 Jul. PMID 18571142.