10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.622.0609

Goat Anti-FOXG1 / BF2 Antibody

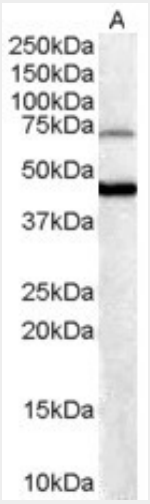
Peptide-affinity purified goat antibody

Catalog # AF1430a

Specification

Goat Anti-FOXG1 / BF2 Antibody - Product Information

Application	**WB**
Primary Accession	P55316
Other Accession	NP_005240, 2290, 15228 (mouse), 24370 (rat)
Reactivity	**Human, Mouse**
Predicted	**Rat, Dog, Cow**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**100ug/200ul**
Isotype	**IgG**
Calculated MW	**52352**



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 - 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

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 - 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 FOXG1 mutations: two novel cases of congenital Rett variant. Bahi-Buisson N, et al. Neurogenetics, 2010 May. PMID 19806373.
Novel FOXG1 mutations associated with the congenital variant of Rett syndrome. Mencarelli MA, et al. J Med Genet, 2010 Jan. PMID 19578037.

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.622.0609

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 Cytomety
- Cell Culture

Phenotypic variability in Rett syndrome associated with FOXG1 mutations in females. Philippe C, et al. J Med Genet, 2010 Jan. PMID 19564653.
FOXG1 is responsible for the congenital variant of Rett syndrome. Ariani F, et al. Am J Hum Genet, 2008 Jul. PMID 18571142.