

## Product datasheet for **TA349139**

### FOXG1 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IF, WB
Recommended Dilution:	FOXG1 antibody can be used for detection of FOXG1 by Western blot at 1 - 2 µg/ml. For immunofluorescence start at 20 µg/mL. Antibody validated: Western Blot in rat samples and Immunofluorescence in mouse samples. All other applications and species not yet tested.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	FOXG1 antibody was raised against an 18 amino acid peptide near the center of human FOXG1.
Specificity:	FOXG1 antibody is human, mouse and rat reactive.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	FOXG1 antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	Predicted: 54 kDa; Observed: 54 kDa
Gene Name:	forkhead box G1
Database Link:	<a href="#">NP_005240</a> <a href="#">Entrez Gene 15228 Mouse</a> <a href="#">Entrez Gene 24370 Rat</a> <a href="#">Entrez Gene 2290 Human</a> <a href="#">P55316</a>



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<b>Background:</b>	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).
<b>Synonyms:</b>	BF1; BF2; FHL3; FKHL2; FKHL1; FKHL2; FKHL3; FKHL4; FOXG1A; FOXG1B; FOXG1C; HBF-1; HBF-2; HBF-3
<b>Protein Families:</b>	Druggable Genome, Transcription Factors