

Rabbit FOXG1 Polyclonal Antibody | anti-FOXG1 antibody

FOXG1 Antibody (Center)

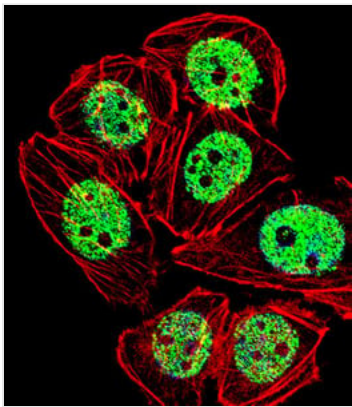
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285760	Rabbit	Human, mouse (Predicted Reactivity: Chicken, Rat, Xenopus, Drosophila)	Immunofluorescence, Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

FOXG1; Polyclonal Antibody; FOXG1 Antibody (Center); 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; anti-FOXG1 antibody

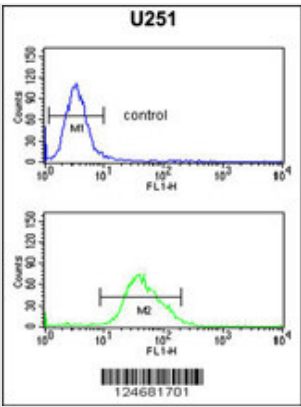
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Chicken, Rat, Xenopus, Drosophila)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This FOXG1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 225-252 amino acids from the Central region of human FOXG1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	225-252
Sequence Length	489
Applicable Applications for anti-FOXG1 antibody	IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



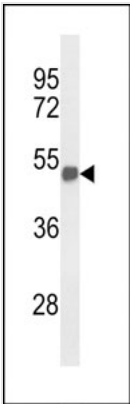
IF (Immunofluorescence)

Fluorescent confocal image of A549 cell stained with FOXG1 Antibody (Center). A549 cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with FOXG1 primary antibody (1:25, 1 h at 37 degree). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37 degree).Cytoplasmic actin was counterstained with Alexa Fluor 555 (red) conjugated Phalloidin (7units/ml, 1 h at 37 degree). Nuclei were counterstained with DAPI (blue) (10 ug/ml, 10 min). FOXG1 immunoreactivity is localized to Nucleus significantly.



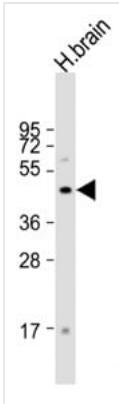
FCM/FACS (Flow Cytometry)

FOXG1 Antibody (Center) flow cytometric analysis of U251 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)

Western blot analysis of FOXG1 Antibody (Center) in mouse brain tissue lysates (35ug/lane). FOXG1 (arrow) was detected using the purified Pab.



Application Data

Anti-FOXG1 Antibody (Center) at 1:1000 dilution + human brain lysate Lysates/proteins at 20 ?g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 52 kDa Blocking/Dilution buffer: 5% NFDm/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-FOXG1 antibody	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.
Product Categories/Family for anti-FOXG1 antibody	Neuroscience
References	Mencarelli, M.A., et al. J. Med. Genet. 47(1):49-53(2010) Philippe, C., et al. J. Med. Genet. 47(1):59-65(2010) Ariani, F., et al. Am. J. Hum. Genet. 83(1):89-93(2008) Adesina, A.M., et al. J. Neurooncol. 85(2):111-122(2007) Bredenkamp, N., et al. Dev. Genes Evol. 217(3):227-233(2007)

NCBI AND UNIPROT INFORMATION

NCBI GI #	32307177
NCBI GeneID	2290

NCBI Accession #	NP_005240.3
NCBI GenBank Nucleotide #	NM_005249.4
UniProt Accession #	P55316 ; P55315 ; Q14488 ; Q86XT7 ; A6NFY2
Molecular Weight	52352
NCBI Official Full Name	forkhead box protein G1
NCBI Official Synonym Full Names	forkhead box G1
NCBI Official Symbol	FOXG1
NCBI Official Synonym Symbols	BF1; BF2; QIN; FKH2; HBF2; HFK1; HFK2; HFK3; KHL2; FHKL3; FKHL1; FKHL2; FKHL3; FKHL4; HBF-1; HBF-2; HBF-3; FOXG1A; FOXG1B; FOXG1C; HBF-G2
NCBI Protein Information	forkhead box protein G1
UniProt Protein Name	Forkhead box protein G1
UniProt Gene Name	FOXG1
UniProt Synonym Gene Names	FKH2; FKHL1; FKHL2; FKHL3; FKHL4; FOXG1A; FOXG1B; FOXG1C; BF-1; BF1; BF-2; BF2; hBF-2; HFK1; HFK2; HFK3
UniProt Entry Name	FOXG1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/foxg1-antibody-immunofluorescence-flow-cytometry-western-blot-elisa/285760>