

For Research Use Only

# FOXG1 Polyclonal antibody

Catalog Number: 12764-1-AP



## Basic Information

<b>Catalog Number:</b> 12764-1-AP	<b>GenBank Accession Number:</b> BC035020	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 253 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 2290	<b>Recommended Dilutions:</b> WB 1:1000-1:4000
<b>Source:</b> Rabbit	<b>Full Name:</b> forkhead box G1	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 489 aa, 52 kDa	
<b>Immunogen Catalog Number:</b> AG3426	<b>Observed MW:</b> 60 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : mouse testis tissue, mouse brain tissue, SH-SY5Y cells
<b>Species Specificity:</b> human, mouse, rat	

## Background Information

Forkhead Box G1 (FOXG1) is a member of the Forkhead family of genes with non-redundant roles in brain development, where alteration of this gene's expression significantly affects the formation and function of the mammalian cerebral cortex. FOXG1 haploinsufficiency in humans is associated with prominent differences in brain size and impaired intellectual development noticeable in early childhood, while homozygous mutations are typically fatal.

## Storage

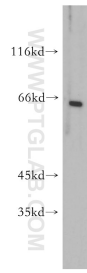
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



mouse testis tissue were subjected to SDS PAGE followed by western blot with 12764-1-AP (FOXG1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.