

Datasheet for ABIN6971658

anti-FOXG1 antibody (C-Term)

2 Images

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Overview

Quantity:	100 µL
Target:	FOXG1
Binding Specificity:	C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FOXG1 antibody is un-conjugated
Application:	Western Blotting (WB), Chromatin Immunoprecipitation (ChIP), ChIP DNA-Sequencing (ChIP-seq)

Product Details

Immunogen:	This FOXG1 antibody was raised against a peptide within the C-terminal region of human FOXG1.
Isotype:	IgG
Characteristics:	FOXG1 (Forkhead box protein G1, FKH2, FKHL1) is a transcriptional repressor that serves an important role in the development of the brain. FOXG1 is expressed in the neural plate early in development and is involved in the specification, proliferation and differentiation of the telencephalon. FOXG1 is also essential for proper patterning of the eye and development of the olfactory epithelium. FOXG1 antibody (pAb) was raised in a Rabbit host. It has been validated for use in Chromatin Immunoprecipitation, ChIP-Seq and Western blot, it has been shown to react with Human and Mouse samples.

Product Details

Purification: Affinity Purified

Target Details

Target: FOXG1

Alternative Name: FOXG1 ([FOXG1 Products](#))

Molecular Weight: 55 kDa

NCBI Accession: [NP_005240](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

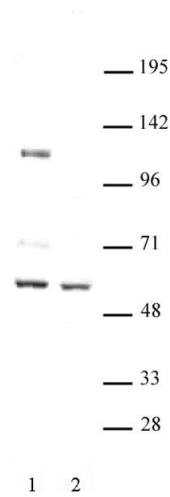
Buffer: Purified IgG in 70 mM Tris (pH 8), 105 mM NaCl, 31 mM glycine, 0.07 mM EDTA, 30 % glycerol and 0.035 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

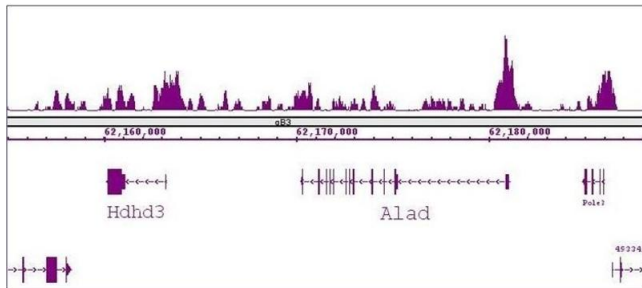
Storage: -20 °C

Storage Comment: Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20°C for up to 2 years. Keep all reagents on ice when not in storage.



Western Blotting

Image 1. FOXG1 antibody (pAb) tested by Western blot. Detection of Goosecoid by Western blot analysis. Lane 1: Whole-cell extract of Hek 293 cells (40 µg). Lane 2: Whole-cell extract of Jurkat cells (40 µg). Both were probed with FOXG1 antibody (pAb) at a 1:500 dilution.



ChIP DNA-Sequencing

Image 2. FOXG1 antibody (pAb) tested by ChIP-Seq. ChIP was performed using the ChIP-IT High Sensitivity Kit with 30 µg of mouse whole brain chromatin and 2 µL of antibody. ChIP DNA was sequenced on the Illumina HiSeq and 20 million sequence tags were mapped to identify FOXG1 binding sites. The image shows binding across a region of chromosome 4. You can view the complete data set in the UCSC Genome Browser, starting at this specific location, [here](#).