

Datasheet for ABIN2780667
anti-FOXG1 antibody (N-Term)[Go to Product page](#)

2 Images

1 Publication

Overview

Quantity:	100 µL
Target:	FOXG1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FOXG1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human FOXG1B
Sequence:	MLDMGDRKEV KMIPKSSFSI NSLVPEAVQN DNHHASHGHH NSHHPQH HHH
Predicted Reactivity:	Human: 100%, Mouse: 100%, Rat: 100%, Zebrafish: 93%
Characteristics:	This is a rabbit polyclonal antibody against FOXG1B. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

Target Details

Target:	FOXG1
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Target Details

Alternative Name:	FOXG1B (FOXG1 Products)
Background:	<p>FOXG1B belongs to the forkhead family of transcription factors which is characterized by a distinct forkhead domain. The specific function of FOXG1B has not yet been determined, however, it may play a role in the development of the brain and telencephalon. 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. 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.</p> <p>Alias 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</p> <p>Protein Interaction Partner: APOE, TLE1, TRAF6, KDM5B, FOXH1, EEF1G, SMAD3, FOXO3, GDF9, SMAD1, SMAD2, HDAC1, SMAD4, TLE3, FOXO4, HES1, FOXO1,</p> <p>Protein Size: 489</p>
Molecular Weight:	52 kDa
Gene ID:	2290
NCBI Accession:	NM_005249 , NP_005240
UniProt:	Q86XT7

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 489 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide

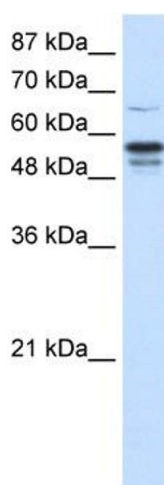
Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

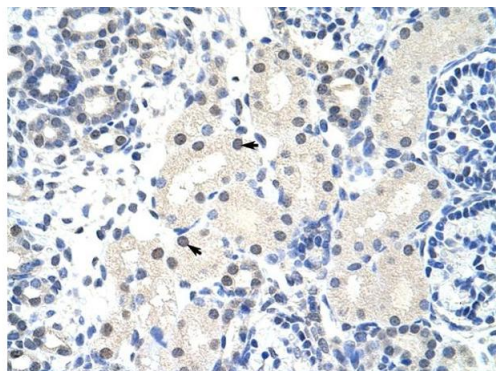
Product cited in:	Antala, Ovchinnikov, Kamisetty, Baker, Dempski: "Computation and Functional Studies Provide a Model for the Structure of the Zinc Transporter hZIP4." in: The Journal of biological chemistry , Vol. 290, Issue 29, pp. 17796-805, (2015) (PubMed).
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Images



Western Blotting

Image 1. WB Suggested Anti-FOXG1B Antibody Titration:
1.25ug/ml Positive Control: HepG2 cell lysate



Immunohistochemistry

Image 2. Human kidney

Rabbit Anti-FOXG1B Antibody
Catalog Number: ARP38595
Lot Number: QC10814
Paraffin Embedded Tissue: Human Kidney
Cells with Positive label: Epithelial cells of renal tubule (Indicated with Arrows)
Antibody Concentration: 4.0-8.0 µg/ml
Magnification: 400X