

For Research Use Only

# FOXQ1 Polyclonal antibody

Catalog Number: 23718-1-AP

Featured Product

9 Publications



## Basic Information

### Catalog Number:

23718-1-AP

### Size:

150ul, Concentration: 900 ug/ml by Nanodrop and 487 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG20545

### GenBank Accession Number:

BC053850

### GeneID (NCBI):

94234

### UNIPROT ID:

Q9C009

### Full Name:

forkhead box Q1

### Calculated MW:

403 aa, 41 kDa

### Observed MW:

42 kDa

### Purification Method:

Antigen Affinity purified

### Recommended Dilutions:

WB 1:500-1:1000

IHC 1:400-1:1600

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB, IHC, IF, IP

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB : mouse kidney tissue, rat kidney tissue

IHC : human stomach cancer tissue,

## Background Information

Forkhead box Q1 (FOXQ1, also known as HFH1), a member of the FOX gene family, contains the core DNA binding domain, whereas the flanking wings of FOXQ1 contribute to its sequence specificity. FOXQ1 is known to repress the promoter activity of smooth muscle-specific genes, such as telokin and SM22 $\alpha$ . FOXQ1 expression is regulated by Hoxa1 in embryonic stem cells. [PMID:15722554, 8139574] As a transcription factor, FOXQ1 represses the promoter activity of smooth muscle-specific genes, such as telokin and SM22 $\alpha$ , in A10 vascular muscle cells [PMID:10896677].

## Notable Publications

Author	Pubmed ID	Journal	Application
Zhichao Jin	35600345	Front Oncol	WB
Su-Hyeong Kim	35512572	Mol Carcinog	WB
Su-Hyeong Kim	33509807	Cancer Prev Res (Phila)	WB

## 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

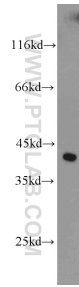
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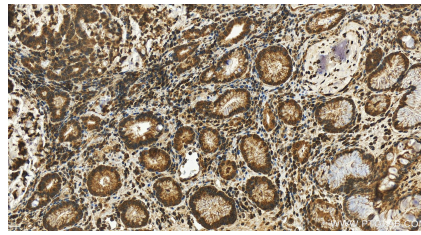
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## Selected Validation Data



mouse kidney tissue were subjected to SDS PAGE followed by western blot with 23718-1-AP (FOXQ1 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 23718-1-AP (FOXQ1 antibody) at dilution of 1:800 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).