FOXO4 Polyclonal ANTIBODY
Catalog Number: 21535-1-AP

Basic Information
Catalog Number: 21535-1-AP

Size:
59 μg/150 μl

Source:
Rabbit

Isotype:
IgG

Purification Method:
Antigen affinity purification

Immunogen Catalog Number:
AG16169

GenBank Accession Number:
BC100761

GeneID (NCBI):
4303

Calculated MW:
505aa, 54 kDa

Observed MW:
65 kDa

Recommended Dilutions:
WB 1:500-1:3000
IHC 1:200-1:200

Applications
Tested Applications:
IHC, WB, ELISA

Cited Applications:
WB

Species Specificity:
human, mouse, rat

Cited Species:
DOG, human, mouse, rat

Note: 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 heart tissue, mouse uterus tissue
IHC: human kidney tissue

Background Information
FOXO4, also named as AFX, AFX1 and MLLT7, is a transcription factor which involved in the regulation of the insulin signaling pathway. It binds to insulin-response elements (IREs) and can activate transcription of IGFBP1. FOXO down-regulates expression of HIF1A and suppresses hypoxia-induced transcriptional activation of HIF1A-modulated genes. It is involved in negative regulation of the cell cycle. A chromosomal aberration involving FOXO4 is found in acute leukemias. The antibody can recognize isoform 1 and isoform Zeta of FOXO4.

Notable Publications

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<tr>
<th>Author</th>
<th>Pubmed ID</th>
<th>Journal</th>
<th>Application</th>
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<tbody>
<tr>
<td>Shu Yang</td>
<td>26376302</td>
<td>J Agric Food Chem</td>
<td>WB</td>
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<tr>
<td>Gaelle Auguste</td>
<td>25317431</td>
<td>Circ Res</td>
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<tr>
<td>Yang Yang</td>
<td>27958453</td>
<td>Int J Biochem Cell Biol</td>
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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

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

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
Selected Validation Data

Mouse heart tissue were subjected to SDS-PAGE followed by western blot with 21535-1-AP (FOXO4 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.

Immunohistochemical of paraffin-embedded human kidney using 21535-1-AP (FOXO4 antibody) at dilution of 1:100 (under 10x lens).

Immunohistochemical of paraffin-embedded human kidney using 21535-1-AP (FOXO4 antibody) at dilution of 1:100 (under 40x lens).