



# Anti-FOXO4 polyclonal antibody (DPABY-742)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	Transcription factor involved in the regulation of the insulin signaling pathway. Binds to insulin-response elements (IREs) and can activate transcription of IGFBP1. Down-regulates expression of HIF1A and suppresses hypoxia-induced transcriptional activation of HIF1A-modulated genes. Also involved in negative regulation of the cell cycle.
<b>Immunogen</b>	C-EAASQDRMPQDLD
<b>Isotype</b>	IgG
<b>Source/Host</b>	Goat
<b>Species Reactivity</b>	Human
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA Pr*, WB
<b>Cellular Localization</b>	When phosphorylated, translocated from nucleus to cytoplasm. Dephosphorylation triggers nuclear translocation. Monoubiquitination increases nuclear localization. When deubiquitinated, translocated from nucleus to cytoplasm.
<b>Format</b>	Liquid
<b>Concentration</b>	0.5 mg/ml
<b>Size</b>	100 µg
<b>Buffer</b>	Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
<b>Preservative</b>	0.02% Sodium Azide

**Storage**

Aliquot and store at -28°C. Minimize freezing and thawing.

## GENE INFORMATION

Gene Name	<a href="#">FOXO4 forkhead box O4 [ Homo sapiens (human) ]</a>
Official Symbol	FOXO4
Synonyms	FOXO4; forkhead box O4; AFX; AFX1; MLLT7; forkhead box protein O4; fork head domain transcription factor AFX1; myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 7;
Entrez Gene ID	<a href="#">4303</a>
Protein Refseq	<a href="#">NP_001164402</a>
UniProt ID	<a href="#">P98177</a>
Chromosome Location	Xq13.1
Pathway	AGE/RAGE pathway; AKT phosphorylates targets in the nucleus; Adaptive Immune System; Class I PI3K signaling events mediated by Akt; Constitutive PI3K/AKT Signaling in Cancer; DAP12 interactions; DAP12 signaling; Disease;
Function	DNA binding; enzyme binding; protein binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; transcription factor binding;