



# Anti-FOXO1 (aa 636-651) polyclonal antibody (DPABH-19229)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	Transcription factor which acts as a regulator of cell responses to oxidative stress. In the presence of KIRT1, mediates down-regulation of cyclin D1 and up-regulation of CDKN1B levels which are required for cell transition from proliferative growth to quiescence.
<b>Immunogen</b>	Synthetic peptide: LPNQSFPHSVKTTHS conjugated to KLH, corresponding to amino acids 636-651 of Human FOXO1A.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Mouse, Human
<b>Purification</b>	Immunogen affinity purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ICC/IF, ICC, WB
<b>Format</b>	Liquid
<b>Size</b>	50 µl
<b>Buffer</b>	Constituents: 1% BSA, 0.01M PBS, pH 7.4
<b>Preservative</b>	15mM Sodium Azide
<b>Storage</b>	Store at 4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

# GENE INFORMATION

Gene Name	<a href="#">FOXO1 forkhead box O2 [ Homo sapiens ]</a>
Official Symbol	FOXO1
Synonyms	FOXO1; forkhead box O1; FKH1; FKHR; FOXO1A; forkhead box protein O1; forkhead box protein O1A; forkhead, Drosophila, homolog of, in rhabdomyosarcoma;
Entrez Gene ID	<a href="#">2308</a>
Protein Refseq	<a href="#">NP_002006.2</a>
UniProt ID	<a href="#">Q12778</a>
Pathway	AGE/RAGE pathway; AKT-mediated inactivation of FOXO1A; Adipogenesis; Angiopoietin receptor Tie2-mediated signaling
Function	DNA binding, bending; RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in negative regulation of transcription; chromatin binding; protein binding