



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

Antigen Description	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.
Immunogen	Synthetic peptide: LPNQSFPHSVKTTHS conjugated to KLH, corresponding to amino acids 636-651 of Human FOXO1A.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Mouse, Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	ICC/IF, ICC, WB
Format	Liquid
Size	50 µl
Buffer	Constituents: 1% BSA, 0.01M PBS, pH 7.4
Preservative	15mM Sodium Azide
Storage	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	FOXO1 forkhead box O2 [Homo sapiens]
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	2308
Protein Refseq	NP_002006.2
UniProt ID	Q12778
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