



Anti-FOXO1 (aa 556-655) polyclonal antibody (DPAB-DC1042)

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

PRODUCT INFORMATION

Antigen Description	This gene belongs to the forkhead family of transcription factors which are characterized by a distinct forkhead domain. The specific function of this gene has not yet been determined; however, it may play a role in myogenic growth and differentiation. Translocation of this gene with PAX3 has been associated with alveolar rhabdomyosarcoma.
Immunogen	FOXO1A (NP_002006, 556 a.a. ~ 655 a.a) partial recombinant protein with GST tag. The sequence is TQVKTPVQVPLPHPMQMSALGGYSSVSSCNGYGRMGLLHQEKLPDLDGMFIERLDCDME SIIRNDLMDGDTLDFNFDNVLPNQSFPHSVKTTTHSWVSG
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name [FOXO1 forkhead box O1 \[Homo sapiens \(human\) \]](#)

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
UniProt ID	Q12778
Chromosome Location	13q14.1
Pathway	AGE/RAGE pathway; AKT-mediated inactivation of FOXO1A; AMPK signaling pathway; Adipogenesis
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