



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

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| 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 TQVKTPVQVPLPHPMQMSALGGYSSVSSCNGYGRMGLLHQEKLPSLDGMFIERLDCDME 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

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| Gene Name | FOXO1 forkhead box O1 [Homo sapiens (human)] |
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| Official Symbol | FOXO1 |
| Synonyms | FOXO1; forkhead box O1; FKH1; FKHR; FOXO1A; forkhead box protein O1; forkhead box protein O1A; forkhead, <i>Drosophila</i> , 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 |
