



Human FOXO3 (phospho S253) blocking peptide (DAG-P1503)

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. This gene likely functions as a trigger for apoptosis through expression of genes necessary for cell death. Translocation of this gene with the MLL gene is associated with secondary acute leukemia. Alternatively spliced transcript variants encoding the same protein have been observed. [provided by RefSeq, Jul 2008]
Specificity	Ubiquitous.
Conjugate	Unconjugated
Applications	BL
Sequence Similarities	Contains 1 fork-head DNA-binding domain.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	FOXO3 forkhead box O3 [Homo sapiens (human)]
Official Symbol	FOXO3
Synonyms	FOXO3; forkhead box O3; FOXO2; AF6q21; FKHL1; FOXO3A; FKHL1P2; forkhead box protein O3; forkhead box O3A; forkhead in rhabdomyosarcoma-like 1; forkhead homolog

(rhabdomyosarcoma) like 1; forkhead, Drosophila, homolog of, in rhabdomyosarcoma-like 1;

Entrez Gene ID	2309
mRNA Refseq	NM_001455.3
Protein Refseq	NP_001446.1
UniProt ID	O43524
Chromosome Location	6q21
Pathway	AKT phosphorylates targets in the nucleus, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; BDNF signaling pathway, organism-specific biosystem; Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; Class I PI3K signaling events, organism-specific biosystem; Class I PI3K signaling events mediated by Akt, organism-specific biosystem; Constitutive PI3K/AKT Signaling in Cancer, organism-specific biosystem; DAP12
Function	DNA binding; DNA binding, bending; protein binding; protein kinase binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;