



# Anti-FOXO3 (aa 361-460) polyclonal antibody (DPAB-DC1045)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	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.
<b>Immunogen</b>	FOXO3A (AAH21224, 361 a.a. ~ 460 a.a) partial recombinant protein with GST tag. The sequence is PCTVELPRLTDMAGTMNLNDGLTENLMDDLLDNITLPPSQPSPTGGLMQRSSSFYTTKG SGLGSPTSSFNSTVFGPSSLNSLRQSPMQTIQENKPATFS
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">FOXO3 forkhead box O3 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	FOXO3
<b>Synonyms</b>	FOXO3; forkhead box O3; FOXO2; AF6q21; FKHRL1; FOXO3A; FKHRL1P2; 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;
<b>Entrez Gene ID</b>	<a href="#">2309</a>
<b>Protein Refseq</b>	<a href="#">NP_001446</a>
<b>UniProt ID</b>	<a href="#">O43524</a>
<b>Chromosome Location</b>	6q21
<b>Pathway</b>	AKT phosphorylates targets in the nucleus; AMPK signaling pathway; BDNF signaling pathway; Chemokine signaling pathway
<b>Function</b>	DNA binding; DNA binding, bending; chromatin DNA binding; core promoter binding