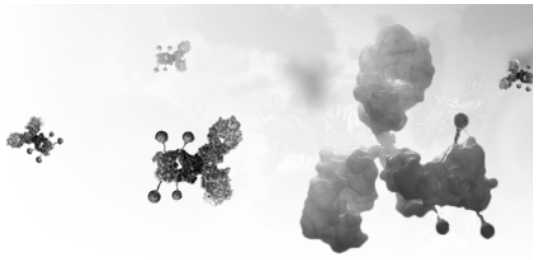

Anti-FOXO3 (C-terminal) polyclonal antibody (CPBT-66327GF)

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

PRODUCT INFORMATION

Product Overview	This product recognises human forkhead box O3A (FOXO3A), also known as FKHLR1, a 95kDa member of the forkhead family of transcription factors. FOXO3A is ubiquitously expressed and is an important regulator of apoptosis and the cell cycle. FOXO3A triggers apoptosis by inducing the expression of genes necessary for cell death. In association with RUNX3, FOXO3A is involved in the induction of Bim expression and apoptosis. Translocation t(6;11)(q21;q23) of FOXO3A with the mixed-lineage leukaemia gene is associated with secondary acute leukaemia. Western Blotting detects a band of approximately 95kDa in human heart and brain cell lysates. A minimum incubation time of 1 hour is recommended with this antibody.
Specificity	FOXO3A
Immunogen	Peptide sequence C-GAKQASSQSWVPG corresponding to the C-terminal region of FOXO3A (NP_001446.1; NP_963853.1).
Isotype	IgG
Source/Host	Goat
Species Reactivity	Human, Dog, Mouse, Rat
Conjugate	Unconjugated
Applications	ELISA; WB
Format	Purified IgG - liquid
Size	100 µg
Preservative	0.02% Sodium Azide

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Storage	in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	FOXO3 forkhead box O3 [Homo sapiens (human)]
Official Symbol	FOXO3
Synonyms	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; FOXO
Entrez Gene ID	2309
Protein Refseq	NP_001446
UniProt ID	O43524
Chromosome Location	6q21
Pathway	AKT phosphorylates targets in the nucleus; AMPK signaling pathway; Adaptive Immune System; BDNF signaling pathway; Chemokine signaling pathway; Class I PI3K signaling events; Class I PI3K signaling events mediated by Akt; Constitutive PI3K/AKT Signaling in Cancer;
Function	DNA binding; RNA polymerase II transcription regulatory region sequence-specific DNA binding transcription factor activity involved in negative regulation of transcription; chromatin DNA binding; core promoter binding; protein binding; protein kinase binding; sequence-specific DNA binding; sequence-specific DNA binding RNA polymerase II transcription factor activity; sequence-specific DNA binding transcription factor activity; transcription cofactor binding;

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