



Human FOXO4 blocking peptide (CDBP1275)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-FOXO4/MLLT7 antibody
Antigen Description	This gene encodes a member of the O class of winged helix/forkhead transcription factor family. Proteins encoded by this class are regulated by factors involved in growth and differentiation indicating they play a role in these processes. A translocation involving this gene on chromosome X and the homolog of the Drosophila trithorax gene, encoding a DNA binding protein, located on chromosome 11 is associated with leukemia. Multiple transcript variants encoding different isoforms have been found for this gene.
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	FOXO4 forkhead box O4 [Homo sapiens]
Official Symbol	FOXO4
Synonyms	FOXO4; forkhead box O4; MLLT7, myeloid/lymphoid or mixed lineage leukemia (trithorax (Drosophila) homolog); translocated to, 7 , myeloid/lymphoid or mixed lineage leukemia

(trithorax homolog, Drosophila); translocated to, 7; forkhead box protein O4; AFX1; fork head domain transcription factor AFX1; myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 7; AFX; MLLT7; MGC120490;

Entrez Gene ID	4303
mRNA Refseq	NM_001170931
Protein Refseq	NP_001164402
UniProt ID	P98177
Chromosome Location	Xq13.1
Pathway	AKT phosphorylates targets in the nucleus, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; Class I PI3K signaling events mediated by Akt, organism-specific biosystem; Disease, organism-specific biosystem; Downstream Signaling Events Of B Cell Receptor (BCR), organism-specific biosystem; Downstream signal transduction, organism-specific biosystem; Downstream signaling of activated FGFR, organism-specific biosystem;
Function	DNA binding; DNA binding, bending; double-stranded DNA binding; enzyme binding; protein binding; protein kinase binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; sequence-specific distal enhancer binding