



# FOXO4 blocking peptide (CDBP5458)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	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 <i>Drosophila</i> <i>trithorax</i> 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. [provided by RefSeq, Jan 2010]
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Used as a blocking peptide in immunoblotting applications.
<b>Format</b>	Liquid
<b>Concentration</b>	200 µg/mL
<b>Size</b>	0.05 mg
<b>Preservative</b>	None
<b>Storage</b>	-20°C

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">FOXO4 forkhead box O4 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	FOXO4
<b>Synonyms</b>	FOXO4; forkhead box O4; AFX; AFX1; MLLT7; forkhead box protein O4; fork head domain transcription factor AFX1; myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, <i>Drosophila</i> ); translocated to, 7

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<b>Entrez Gene ID</b>	<a href="#">4303</a>
<b>mRNA Refseq</b>	<a href="#">NM_001170931</a>
<b>Protein Refseq</b>	<a href="#">NP_001164402</a>
<b>UniProt ID</b>	P98177
<b>Pathway</b>	AGE/RAGE pathway; AKT phosphorylates targets in the nucleus; Adaptive Immune System; Class I PI3K signaling events mediated by Akt; Constitutive PI3K/AKT Signaling in Cancer; DAP12 interactions; DAP12 signaling; Disease
<b>Function</b>	DNA binding; enzyme binding; protein binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; transcription factor binding

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