



# FOXO1 blocking peptide (CDBP5455)

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. The specific function of this gene has not yet been determined; however, it may play a role in myogenic growth and differentiation. Translocation of this gene with PAX3 has been associated with alveolar rhabdomyosarcoma. [provided by RefSeq, Jul 2008]
<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="#">FOXO1 forkhead box O1 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	FOXO1
<b>Synonyms</b>	FOXO1; forkhead box O1; FKH1; FKHR; FOXO1A; forkhead box protein O1; forkhead box protein O1A; forkhead, Drosophila, homolog of, in rhabdomyosarcoma
<b>Entrez Gene ID</b>	<a href="#">2308</a>
<b>mRNA Refseq</b>	<a href="#">NM_002015</a>

Protein Refseq

[NP\\_002006](#)

UniProt ID

Q12778

Pathway

AGE/RAGE pathway; AKT phosphorylates targets in the nucleus; AKT-mediated inactivation of FOXO1A; AMPK signaling pathway; Adaptive Immune System; Adipogenesis; Androgen receptor signaling pathway; Angiopoietin receptor Tie2-mediated signaling

Function

RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in negative regulation of transcription; chromatin binding; protein binding; protein phosphatase 2A binding; sequence-specific DNA binding; ubiquitin protein ligase binding