



FOXO1 blocking peptide (CDBP5455)

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

PRODUCT INFORMATION

Antigen Description	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]
Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 µg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

Gene Name	FOXO1 forkhead box O1 [Homo sapiens (human)]
Official Symbol	FOXO1
Synonyms	FOXO1; forkhead box O1; FKH1; FKHR; FOXO1A; forkhead box protein O1; forkhead box protein O1A; forkhead, Drosophila, homolog of, in rhabdomyosarcoma
Entrez Gene ID	2308
mRNA Refseq	NM_002015

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