Rabbit Anti-FOXO4 Polyclonal Antibody

CPB-696RH Rabbit(FOXO4)
Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview	Rabbit Anti-FOXO4 Polyclonal Antibody
Antigen Description	Transcription factor involved in the regulation of the insulin signaling pathway. Binds to insulin-response elements (IREs) and can activate transcription of IGFBP1. Down-regulates expression of HIF1A and suppresses hypoxia-induced transcriptional activation of HIF1A-modulated genes. Also involved in negative regulation of the cell cycle.
specificity	The antibody detects endogenous level of FOXO4 only when phosphorylated at serine197.
Target	FOXO4
Immunogen	Peptide sequence around phosphorylation site of serine 197 (A-A-S(p)-M-D) derived from Human FOXO4.
Host	Rabbit
Species	Human
Cross Reactivity	Human; Mouse; Rat
conjugation	N/A
Applications	IFA,WB,IHC

PACKAGING

Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C /1 year

ANTIGEN 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;
GeneID	4303
mRNA Refseq	NM_001170931
Protein Refseq	NP_001164402
MIM	300033
UniProt ID	P98177
Chromosome Location	Xq13.1

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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 RNA polymerase II transcription factor activity; transcription factor binding;

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